B.C. Baccalaureate Outcomes 2024 Survey of 2022 Baccalaureate Graduates

☑ BC Student ☑ Outcomes

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Detailed Summary of Survey Results University of British Columbia

14.0501: Bioengineering and biomedical engineering

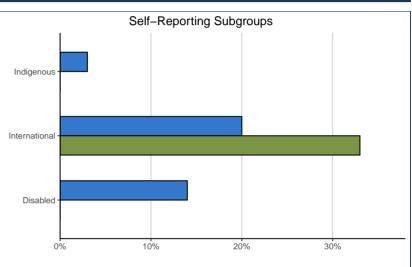
UBC	
14.0501	

RESPONSE RATE								
Survey Response Rate: 14.0501 UBC						Respor	ise Rate	
Baccalaureate Graduates Survey Cohort	131	100%	6,530	100%	UBC -			
Survey Respondents and Response Rate	39	30%	1,566	24%				
					14.0501 -			
					0%	10%	20%	30%

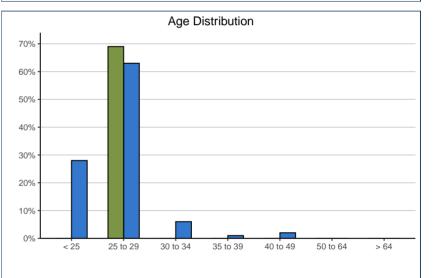
DEMOGRAPHIC INFORMATION

Self-Reporting Subgroups:	14.0501		UBC	
Disabled	~	~	209	14%
International	13	33%	318	20%
Indigenous	0	0%	34	3%

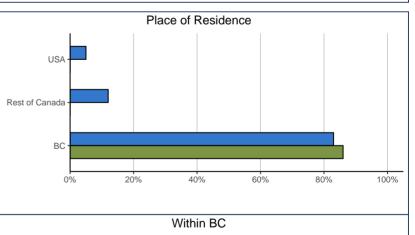
Gender:*	14.0501		UBC		
Man/Boy	25	64%	744	48%	
Woman/Girl	14	36%	819	52%	
Total	39	100%	1,563	100%	
*Due to zero or low counts, institution-reported "Non-Binary" demographic data are not included					



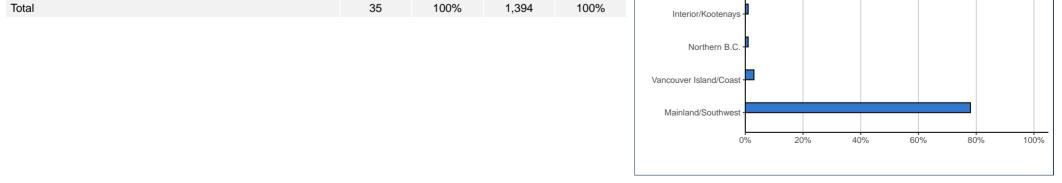
Age (at time of survey):	14.0501		UBC	
< 25	~	~	437	28%
25 to 29	27	69%	975	63%
30 to 34	~	~	92	6%
35 to 39	0	0%	21	1%
40 to 49	0	0%	24	2%
50 to 64	0	0%	5	0%
> 64	0	0%	0	0%
Total	39	100%	1,554	100%
Median Age	25		25	
Average (mean) Age	25		26	



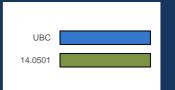
Place of Residence (at time of survey):	14.	14.0501		UBC	
BC – Mainland/Southwest	~	~	1,085	78%	
BC – Vancouver Island/Coast	~	~	36	3%	
BC – Northern B.C.	0	0%	10	1%	
BC – Interior/Kootenays	~	~	20	1%	
BC Subtotal	30	86%	1,151	83%	
Canada – Alberta	~	~	57	4%	
Canada – Ontario	~	~	90	6%	
Canada – Other	~	~	31	2%	
U.S.A.	0	0%	65	5%	
Non-BC Subtotal	5	14%	243	17%	



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



EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.0501		UBC	
Very Satisfied	7	18%	444	29%
Satisfied	27	71%	976	63%
Dissatisfied	4	11%	110	7%
Very Dissatisfied	0	0%	21	1%
Total	38	100%	1,551	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0501		UBC	
Very Useful	10	36%	415	36%
Somewhat Useful	13	46%	573	50%
Not Very Useful	5	18%	132	11%
Not at All Useful	0	0%	33	3%
Total	28	100%	1,153	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.0501		UBC	
Yes	2	5%	73	5%
No	37	95%	1,468	95%



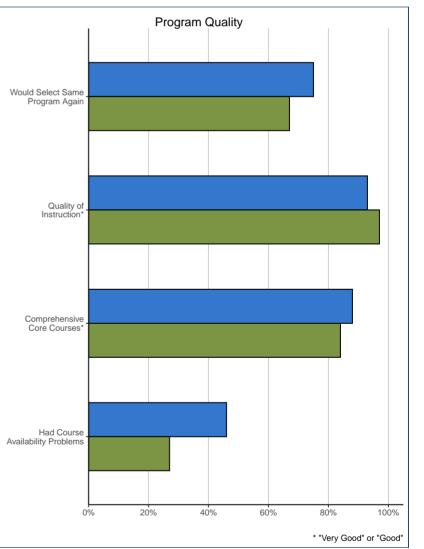
Would select the same program again:	14.0501		UE	BC
Yes	20	67%	1,018	75%
No	10	33%	343	25%

Quality of Instruction:	14.0501		UI	BC
Very Good	9	24%	470	30%
Good	27	73%	982	63%
Poor	1	3%	90	6%
Very Poor	0	0%	13	1%
Total	37	100%	1,555	100%

Comprehensiveness of Core Courses:	14.0501		UI	BC
Very Good	6	16%	450	29%
Good	26	68%	910	59%
Poor	6	16%	150	10%
Very Poor	0	0%	21	1%
Total	38	100%	1,531	100%

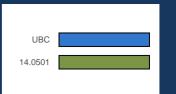
Course Availability:	14.0501		UE	BC
Encountered course availability problems	10 27%		704	46%

Financial Constraints:	14.0501		UBC	
Had to interrupt studies for financial reasons	0	0%	72	5%
Had to take program part-time for financial reasons	2	5%	115	7%



Note: \sim indicates low cell count; data suppressed

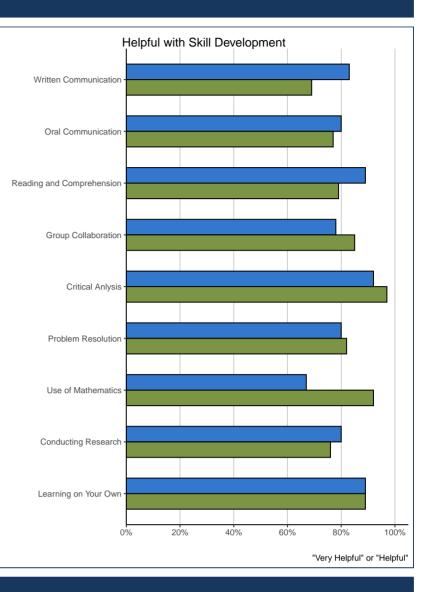
Detailed Summary of Survey Results University of British Columbia 14.0501: Bioengineering and biomedical engineering

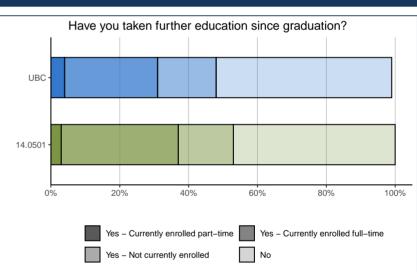


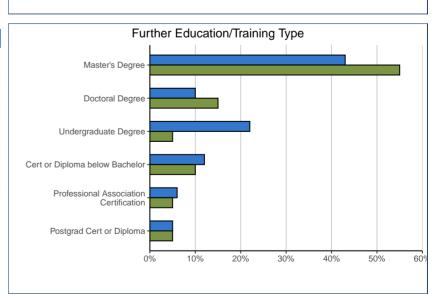
SKILL DEVELOPMENT

			14.0501		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	15%	54%	31%	0%	39
Oral Communication	16%	61%	24%	0%	38
Reading and Comprehension	16%	63%	18%	3%	38
Group Collaboration	41%	44%	15%	0%	39
Critical Anlysis	47%	50%	3%	0%	38
Problem Resolution	31%	51%	13%	5%	39
Use of Mathematics	51%	41%	8%	0%	39
Conducting Research	21%	55%	24%	0%	38
Learning on Your Own	42%	47%	8%	3%	38

			UBC		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	27%	56%	15%	2%	1,538
Oral Communication	25%	55%	18%	3%	1,534
Reading and Comprehension	36%	53%	10%	1%	1,539
Group Collaboration	30%	48%	18%	3%	1,541
Critical Anlysis	48%	44%	6%	1%	1,556
Problem Resolution	26%	54%	18%	2%	1,518
Use of Mathematics	23%	44%	25%	7%	1,198
Conducting Research	35%	45%	17%	3%	1,477
Learning on Your Own	43%	46%	9%	2%	1,540







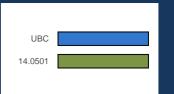
FURTHER EDUCATION

14.0501		UBC	
20	53%	760	49%
6	16%	268	17%
13	34%	419	27%
1	3%	68	4%
18	47%	796	51%
38	100%	1,556	100%
	20 6 13 1 18	20 53% 6 16% 13 34% 1 3% 18 47%	20 53% 760 6 16% 268 13 34% 419 1 3% 68 18 47% 796

Type of Formal Post–Secondary Education:	14.	0501	U	вС	
Master's Degree	11	55%	323	43%	
Doctoral Degree	3	15%	72	10%	
Another Undergraduate Degree	1	5%	167	22%	
Certificate or Diploma below Bachelor Level	2	10%	91	12%	
Professional Association Certification	1	5%	44	6%	
Postgraduate Certificate or Diploma	1	5%	36	5%	

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Other	1	5%	24	3%
Total	20	100%	757	100%

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

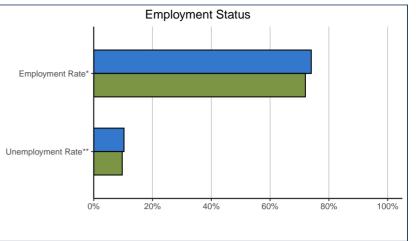


EMPLOYMENT

Labour Fource Status:	14.	14.0501		BC
In Labour Force (working or seeking work)	31	79%	1,299	85%
Not in Labour Force	8	21%	225	15%
Total	39	100%	1,524	100%
			1	
Employment:	14.	14.0501		BC
Employment Rate*	28	72%	1,165	74%
Unemployment Rate**	3	9.7%	134	10.3%

*Percent = Total employed divided by total number of respondents

**Percent = Total unemployed divided by total number in labour force



Status of Graduates NOT in Labour Force:	14.0501		UBC	
Attending School FT	7	88%	179	80%
Attending School PT	1	13%	7	3%
Other	0	0%	39	17%
Total NOT in Labour Force	8	100%	225	100%

Primary Employment Type:	14.0501		UI	BC
Paid Worker	28	100%	1,072	92%
Self-Employed	0	0%	93	8%
Total	28	100%	1,165	100%

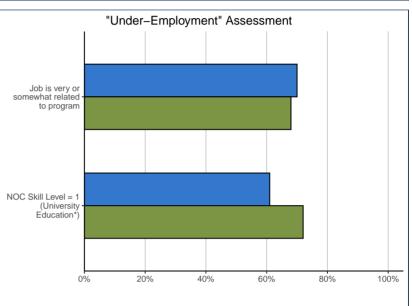
Job Characteristics:	14.0	14.0501		вС
I hold more than one job*	2	7%	175	15%
My main job is full-time (>= 30 hours per week)**	25	96%	941	86%
*Of total employed				

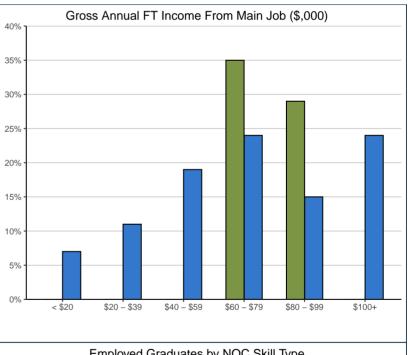


How related is your main job to your program?	14.	14.0501		BC
Very Related	9	32%	457	39%
Somewhat Related	10	36%	361	31%
Not Very Related	6	21%	168	14%
Not at All Related	3	11%	175	15%
Total	28	100%	1,161	100%

"Under-Employment" Assessment:	14.	0501	U	BC
Job is very or somewhat related to program	19	68%	818	70%
NOC Skill Level = 1 (University Education)*	18	72%	672	61%
*Of total valid responses; NOC 2021 (TEER)				

Gross Annual Income from Main Job:*	14.	14.0501		UBC	
Less than \$20,000	0	0%	64	7%	
\$20,000 to \$39,999	~	~	93	11%	
\$40,000 to \$59,999	~	~	172	19%	
\$60,000 to \$79,999	6	35%	209	24%	
\$80,000 to \$99,999	5	29%	137	15%	
\$100,000 and Above	~	~	209	24%	
Total	17	100%	884	100%	
Median Annual Income (full-time) (\$)	76,912		75,000		
Average Annual Income (full-time) (\$)	82,124		87,000		
Where data provided					

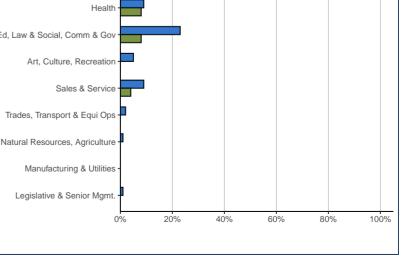






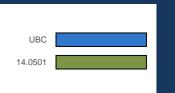
Natural & Applied sciences

NOC Skill Type of Main Job (NOC 2021):	14.0	0501	U	BC
Legislative and senior management	0	0%	16	1%
Business, finance & administration	3	12%	234	21%
Natural & applied sciences & related	17	68%	323	29%
Health	2	8%	97	9%
Education, law and social, community & government	2	8%	250	23%
Art, culture, recreation & sport	0	0%	56	5%
Sales & service	1	4%	96	9%
Trades, transport & equipment operators & related	0	0%	24	2%
Natural resources, agriculture & related production	0	0%	9	1%
Manufacturing & utilities	0	0%	3	0%
Total	25	100%	1,108	100%



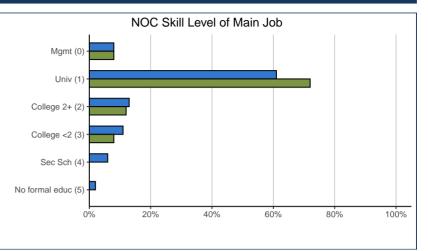
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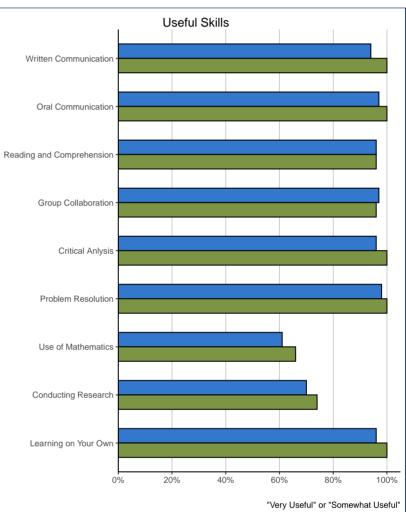
EMPLOYMENT, continued

NOC Skill Level of Main Job (NOC 2021 (TEER)):	14.	14.0501		вС
0. Management	2	8%	88	8%
1. University education	18	72%	672	61%
2. College education/trade apprenticeship (2+ years)	3	12%	139	13%
3. College education/trade apprenticeship (<2 years)	2	8%	119	11%
4. Secondary school + job-specific training	0	0%	67	6%
5. No formal education	0	0%	23	2%
Total	25	100%	1,108	100%



			14.0501		i i i i i i i i i i i i i i i i i i i
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	68%	32%	0%	0%	28
Oral Communication	82%	18%	0%	0%	28
Reading and Comprehension	57%	39%	4%	0%	28
Group Collaboration	71%	25%	0%	4%	28
Critical Anlysis	93%	7%	0%	0%	28
Problem Resolution	78%	22%	0%	0%	27
Use of Mathematics	33%	33%	33%	0%	27
Conducting Research	37%	37%	26%	0%	27
Learning on Your Own	71%	29%	0%	0%	28

			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%	24%	5%	2%	1,156
Oral Communication	78%	19%	3%	1%	1,157
Reading and Comprehension	70%	26%	4%	1%	1,151
Group Collaboration	77%	20%	3%	1%	1,156
Critical Anlysis	75%	21%	4%	1%	1,155
Problem Resolution	80%	18%	2%	0%	1,155
Use of Mathematics	27%	34%	24%	15%	1,120
Conducting Research	40%	30%	19%	11%	1,129
Learning on Your Own	70%	26%	4%	1%	1,151



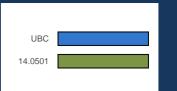
Top 10 Full-Tir	me Occupations of 14.0501	Graduates*:	14.0501
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
21320	1	Chemical engineers	21%
*			
*			
*			
*			
*			
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*			

* Data not displayed where n < 5; NOC 2021 ** Percentages cited are of those employed

Top 10 Full-Tin	ne Occupations of UBC Gr	aduates*:	UBC
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
21231	1	Software engineers and designers	7%
41101	1	Lawyers and Quebec notaries	3%
21232	1	Software developers and programmers	3%
11202	1	Professional occupations in advertising, marketing and public relations	3%
13100	3	Administrative officers	2%
21300	1	Civil engineers	2%
XXXXX	Х	Unclassified occupations	2%
41201	1	Post-secondary teaching and research assistants	2%
11101	1	Financial and investment analysts	2%
21310	1	Electrical and electronics engineers	2%
* Data not displaye	ed where n < 5; NOC 2021		

** Percentages cited are of those employed

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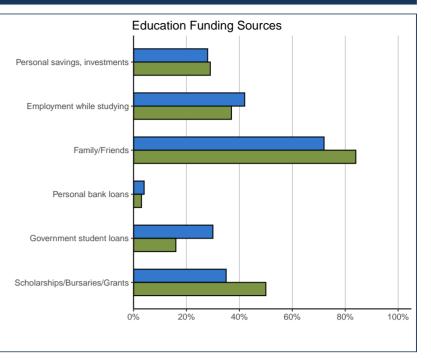


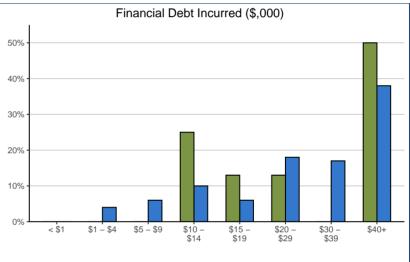
EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.(14.0501		вС
Personal savings, investments	11	29%	434	28%
Employment while studying	14	37%	647	42%
Family/Friends	32	84%	1,106	72%
Personal bank loans	1	3%	63	4%
Government student loans	6	16%	462	30%
Scholarships/Bursaries/Grants	19	50%	531	35%
Other	13	34%	362	24%
Total	38		1,531	
* Percentage of respondents who identified this source				

Financial Debt Incurred to Finance Bac. Ed.:*	14.	0501	U	BC
Incurred any form of financial debt	11	28%	577	38%
Incurred government-sponsored student loan debt	6	15%	505	33%
* Percentage of respondents who provided data				

Financial Debt Amount:*	14.	14.0501		UBC	
< \$1,000	0	0%	2	0%	
\$1,000 to \$4,999	0	0%	20	4%	
\$5,000 to \$9,999	0	0%	30	6%	
\$10,000 to \$14,999	2	25%	47	10%	
\$15,000 to \$19,999	1	13%	27	6%	
\$20,000 to \$29,999	1	13%	85	18%	
\$30,000 to \$39,999	0	0%	80	17%	
\$40,000 or More	4	50%	175	38%	
Total	8	100%	466	100%	
Median Financial Debt (\$)	32,500		30,000		



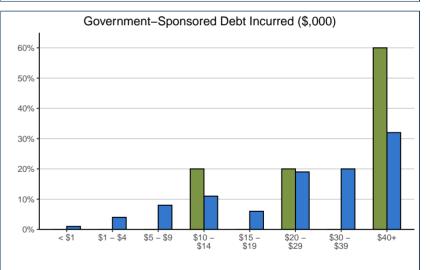


Includes only cases where financial debt was incurred

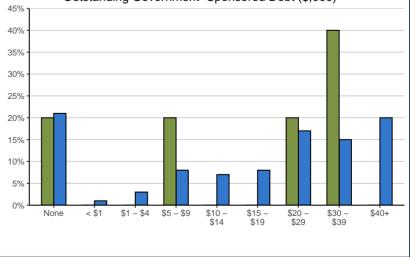
Gov't-Sponsored Student Loan Debt Amount:*	14.0	14.0501		вС
< \$1,000	0	0%	3	1%
\$1,000 to \$4,999	0	0%	15	4%
\$5,000 to \$9,999	0	0%	28	8%
\$10,000 to \$14,999	1	20%	38	11%
\$15,000 to \$19,999	0	0%	20	6%
\$20,000 to \$29,999	1	20%	67	19%
\$30,000 to \$39,999	0	0%	74	20%
\$40,000 or More	3	60%	116	32%
Total	5	100%	361	100%
Median Gov't-Sponsored Loan Debt (\$)	45,000		30,000	

* Includes only cases where government-sponsored debt was incurred

Gov't-Sponsored Loan Debt Outstanding:*	14.	14.0501		UBC	
None – Loan repaid in full	1	20%	84	21%	
< \$1,000	0	0%	2	1%	
\$1,000 to \$4,999	0	0%	12	3%	
\$5,000 to \$9,999	1	20%	30	8%	
\$10,000 to \$14,999	0	0%	28	7%	
\$15,000 to \$19,999	0	0%	32	8%	
\$20,000 to \$29,999	1	20%	66	17%	
\$30,000 to \$39,999	2	40%	61	15%	
\$40,000 or More	0	0%	79	20%	
Total	5	100%	394	100%	
Median Gov't-Sponsored Loan Debt Outstanding** (\$)	27,000		26,000		



Outstanding Government–Sponsored Debt (\$,000)



* 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