

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

UBC 14.1001

Detailed Summary of Survey Results
University of British Columbia
14.1001: Electrical and electronics engineering

RESPONSE RATE

Survey Response Rate:	14.1001		UBC	
Baccalaureate Graduates Survey Cohort	144	100%	7,002	100%
Survey Respondents and Response Rate	44	31%	2,067	30%

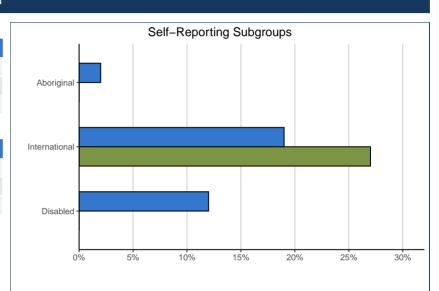


DEMOGRAPHIC INFORMATION

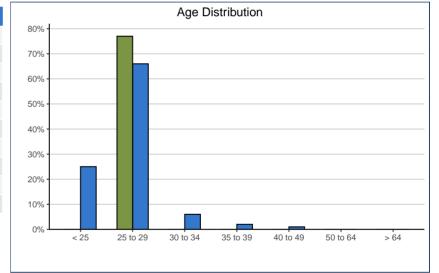
Self-Reporting Subgroups:	14.1001		UBC	
Disabled	~	~	233	12%
International	12	27%	400	19%
Aboriginal	0	0%	28	2%

Gender:*	14.1001		UBC	
Male	38 86%		910	44%
Female	6	14%	1,157	56%
Total	44	100%	2,067	100%

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



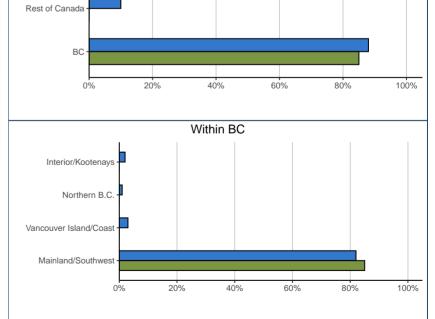
Age (at time of survey):	14.1001		UBC	
< 25	~	~	504	25%
25 to 29	34	77%	1,358	66%
30 to 34	~	~	126	6%
35 to 39	0	0%	32	2%
40 to 49	0	0%	28	1%
50 to 64	0	0%	~	~
> 64	0	0%	~	~
Total	44	100%	2,054	100%
Median Age	26		25	
Average (mean) Age	26		26	



Place of Residence

USA -

Place of Residence (at time of survey):	14.1001		UBC	
BC – Mainland/Southwest	33	85%	1,470	82%
BC - Vancouver Island/Coast	0	0%	45	3%
BC – Northern B.C.	0	0%	21	1%
BC – Interior/Kootenays	0	0%	37	2%
BC Subtotal	33	85%	1,573	88%
Canada – Alberta	~	~	78	4%
Canada – Ontario	~	~	79	4%
Canada – Other	~	~	32	2%
U.S.A.	0	0%	34	2%
Non-BC Subtotal	6	15%	223	12%
Total	39	100%	1,796	100%





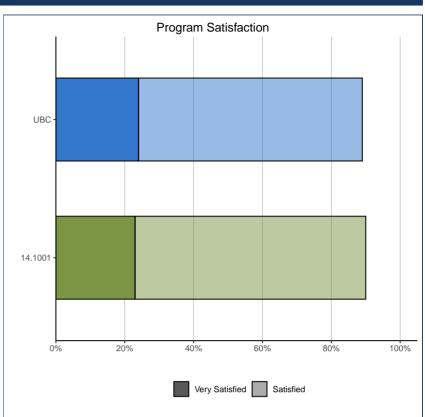


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.1001		UI	ВС
Very Satisfied	10	23%	492	24%
Satisfied	29	67%	1,327	65%
Dissatisfied	3	7%	174	9%
Very Dissatisfied	1	2%	43	2%
Total	43	100%	2,036	100%

14.1001		UBC	
13	33%	545	35%
21	54%	723	46%
4	10%	231	15%
1	3%	63	4%
39	100%	1,562	100%
	21 4 1	21 54% 4 10% 1 3%	21 54% 723 4 10% 231 1 3% 63

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	14.1001		UBC	
Yes	1	2%	132	6%	
No	43	98%	1,901	94%	



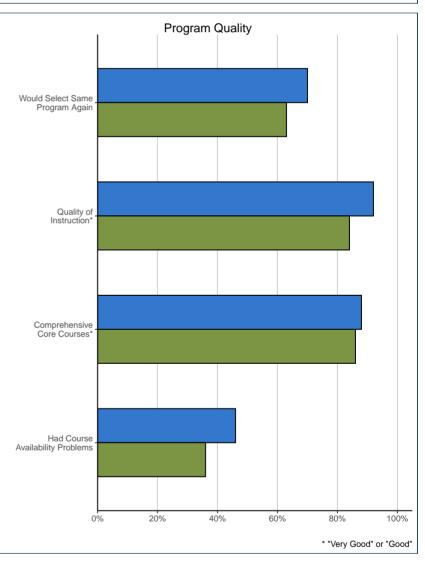
Would select the same program again:	14.1001		UBC	
Yes	26	63%	1,257	70%
No	15	37%	532	30%

Quality of Instruction:	14.1001		UBC	
Very Good	5 12%		571	28%
Good	31	72%	1,313	64%
Poor	6	14%	141	7%
Very Poor	1	2%	26	1%
Total	43	100%	2.051	100%

Comprehensiveness of Core Courses:	14.	14.1001		UBC	
Very Good	5	11%	523	26%	
Good	33	75%	1,252	62%	
Poor	6	14%	207	10%	
Very Poor	0	0%	38	2%	
Total	44	100%	2.020	100%	

Course Availability:	14.	1001	U	BC .	
		1 11.551			
Encountered course availability problems	16	36%	916	46%	

Financial Constraints:	14.1001		UBC	
Had to interrupt studies for financial reasons	1	2%	116	6%
Had to take program part-time for financial reasons	0	0%	178	9%



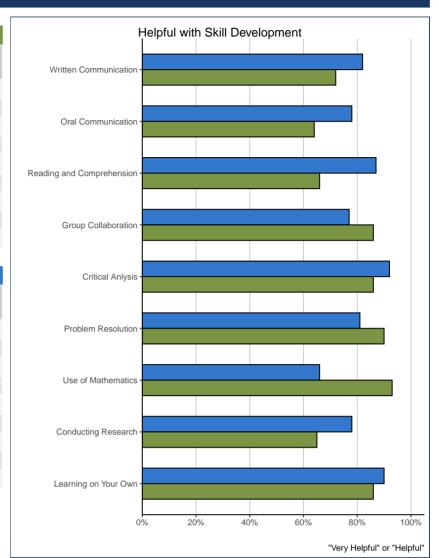




SKILL DEVELOPMENT

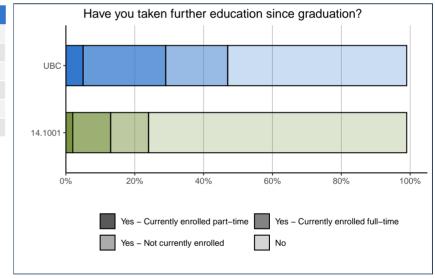
			14.1001		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	14%	58%	19%	9%	43
Oral Communication	12%	52%	33%	2%	42
Reading and Comprehension	11%	55%	32%	2%	44
Group Collaboration	33%	53%	14%	0%	43
Critical Anlysis	41%	45%	14%	0%	44
Problem Resolution	37%	53%	9%	0%	43
Use of Mathematics	45%	48%	5%	2%	44
Conducting Research	10%	55%	31%	5%	42
Learning on Your Own	53%	33%	12%	2%	43

			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

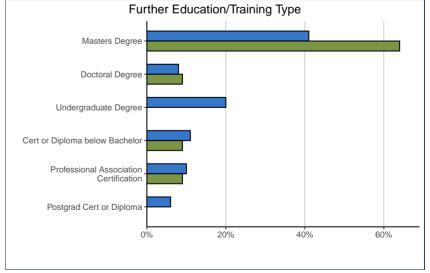


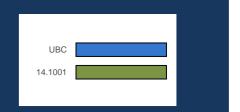
FURTHER EDUCATION

Took further education since 2021 graduation:	14.	14.1001		UBC	
Yes	11	25%	980	48%	
Not currently enrolled	5	11%	370	18%	
Currently enrolled full-time	5	11%	498	24%	
Currently enrolled part-time	1	2%	103	5%	
No	33	75%	1,070	52%	
Total	44	100%	2,050	100%	



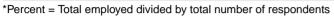
Type of Formal Post–Secondary Education:	14.	14.1001		ВС
Masters Degree	7	64%	399	41%
Doctoral Degree	1	9%	78	8%
Another Undergraduate Degree	0	0%	198	20%
Certificate or Diploma below Bachelor level	1	9%	103	11%
Professional Association Certification	1	9%	102	10%
Postgraduate Certificate or Diploma	0	0%	61	6%
Other	1	9%	32	3%
Total	11	100%	973	100%



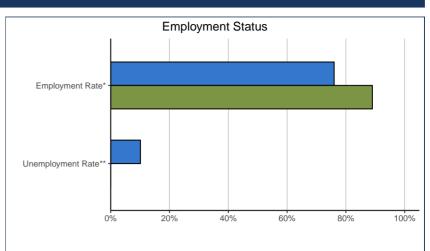


EMPLOYMENT

Labour Fource Status:	14.	14.1001		ВС
In Labour Force (working or seeking work)	39	89%	1,746	86%
Not in Labour Force	5	11%	277	14%
Total	44	100%	2,023	100%
Employment:	14.	14.1001		ВС
Employment Rate*	39	89%	1,569	76%
Unemployment Rate**	0	0.0%	177	10.1%



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

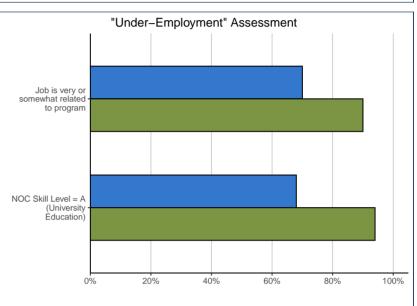


Status of Graduates NOT in Labour Force:	14.1001		UI	3C
Attending School FT	4	80%	220	79%
Attending School PT	1	20%	7	3%
Other	0	0%	50	18%
Total NOT in Labour Force	5	100%	277	100%

Primary Employment Type:	14.1001		UE	ВС
Paid worker	39	100%	1,480	95%
Self-employed	0	0%	82	5%
Total	39	100%	1,562	100%

Job Characteristics:	14.1001		U	вс
I hold more than one job*	0	0%	232	15%
My main job is full-time (>= 30 hours per week)**	38	97%	1,295	87%

^{*}Of total Employed



How related is your main job to your program?	14.1001		UE	ВС
Very Related	16	41%	592	38%
Somewhat Related	19	49%	493	32%
Not Very Related	4	10%	230	15%
Not at All Related	0	0%	245	16%
Total	39	100%	1,560	100%

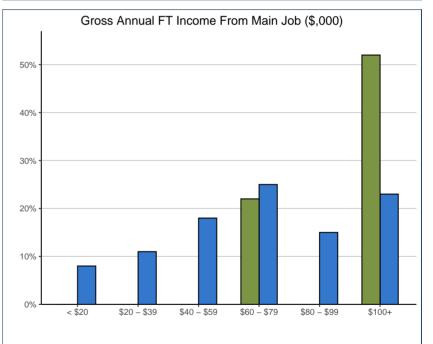
"Under-employment" Assessment:	14.1001		14.1001		UE	BC
Job is very or somewhat related to program	35	90%	1,085	70%		
NOC Skill Level = A (University Education)*	33	94%	969	68%		

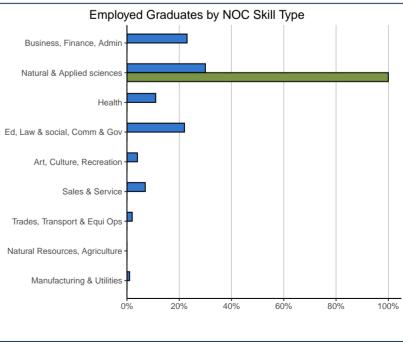
^{*}Of total valid responses

Gross Annual Income from Main Job:*	14.1001		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	6	22%	297	25%
\$80,000 to \$99,999	~	~	185	15%
\$100,000 and Above	14	52%	274	23%
Total	27	100%	1,209	100%
Median Annual Income (full-time) (\$)	105,000		73,750	
Average Annual Income (full-time) (\$)	108,846		84,372	

^{*}Where data provided

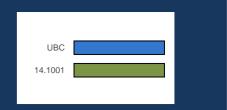
NOC Skill Type of Main Job:	14	14.1001		UBC	
Business, finance & administration		0%	322	23%	
Natural & applied sciences & related	35	100%	433	30%	
Health		0%	162	11%	
Education, law and social, community & government		0%	314	22%	
Art, culture, recreation & sport	0	0%	54	4%	
Sales & service	0	0%	102	7%	
Trades, transport & equipment operators & related	0	0%	25	2%	
Natural resources, agriculture & related production	0	0%	6	0%	
Manufacturing & utilities	0	0%	12	1%	
Total	35	100%	1,430	100%	





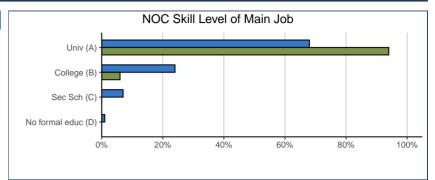
^{**}Of those who provided data on hours/week worked





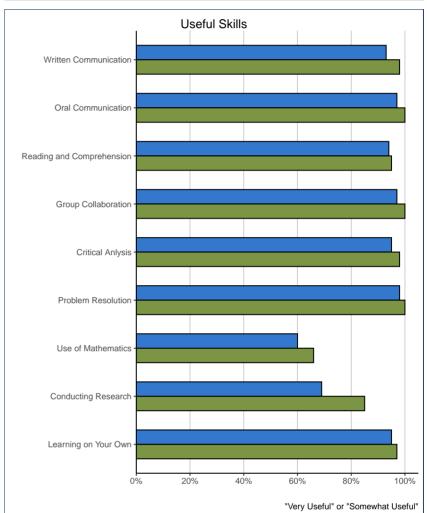
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.1001		UBC	
A. University education		94%	969	68%
B. College education/trade apprenticeship	2	6%	349	24%
C. Secondary school + job-specific training	0	0%	99	7%
D. No formal education	0	0%	18	1%
Total	35	100%	1,435	100%



	14.1001				
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	72%	26%	3%	0%	39
Oral Communication	82%	18%	0%	0%	39
Reading and Comprehension	82%	13%	5%	0%	39
Group Collaboration	79%	21%	0%	0%	39
Critical Anlysis	85%	13%	3%	0%	39
Problem Resolution	85%	15%	0%	0%	39
Use of Mathematics	21%	45%	26%	8%	38
Conducting Research	41%	44%	13%	3%	39
Learning on Your Own	87%	10%	3%	0%	39

	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 14.1001 Graduates:		14.1001	
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2133	A	Electrical and electronics engineers	28%
2147	Α	Computer engineers (except software engineers and designers)	18%
2173	Α	Software engineers and designers	18%
*			
*			
*			
*			
*			
*			
*			

^{*} 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	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%

^{*} Data not displayed where n < 5

^{**} Percentages cited are of those employed



EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.	14.1001		BC .
Personal savings, investments	8	8 18%		28%
Employment while studying		14%	802	40%
Family/Friends	37	84%	1,472	73%
Personal bank loans	0	0%	105	5%
Government student loans	10	23%	654	32%
Scholarships/Bursaries/Grants	13	30%	658	32%
Other	22	50%	505	25%
Total	44		2,025	

^{*} Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.1001		UBC	
Incurred any form of financial debt	15 34%		835	41%
Incurred government-sponsored student loan debt	12	27%	719	35%

^{*} Percentage of respondents who provided data



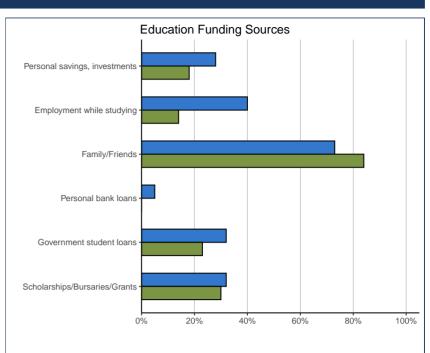
^{*} Includes only cases where financial debt was incurred

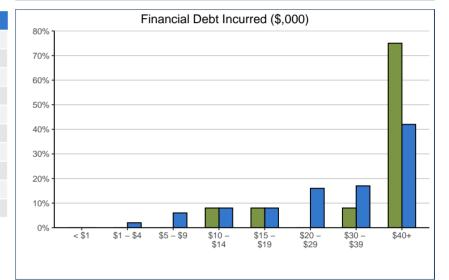


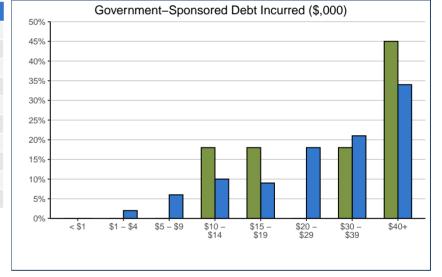
^{*} Includes only cases where government-sponsored debt was incurred

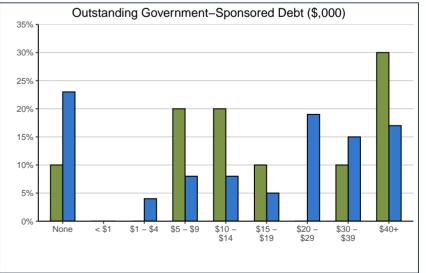


^{*} Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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