

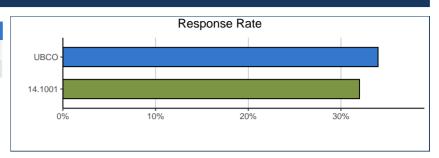
## B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

UBCO 14.1001

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

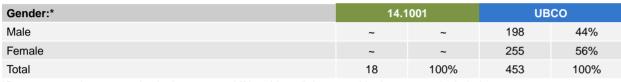
#### RESPONSE RATE

Survey Response Rate:	14.1001		UBCO	
Baccalaureate Graduates Survey Cohort	57	100%	1,320	100%
Survey Respondents and Response Rate	18	32%	453	34%

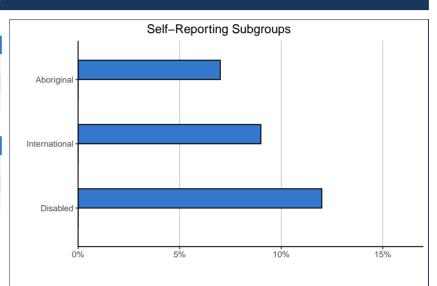


## DEMOGRAPHIC INFORMATION

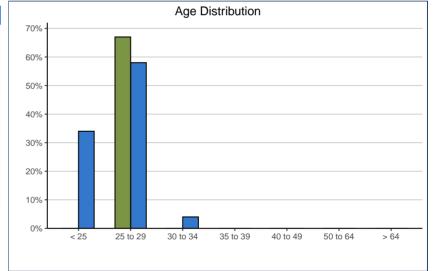
Self-Reporting Subgroups:	14.1001		UBCO	
Disabled	~	~	53	12%
International	~	~	40	9%
Aboriginal	~	~	27	7%



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

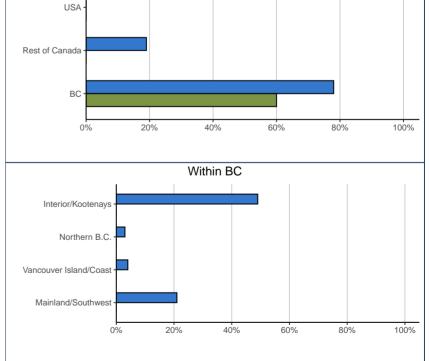


Age (at time of survey):	14.1001		UB	СО
< 25	~	~	155	34%
25 to 29	12	67%	260	58%
30 to 34	~	~	20	4%
35 to 39	~	~	~	~
40 to 49	0	0%	~	~
50 to 64	0	0%	~	~
> 64	0	0%	0	0%
Total	18	100%	451	100%
Median Age	25		25	
Average (mean) Age	26		26	



Place of Residence

Place of Residence (at time of survey):	14.1001		UBCO	
BC - Mainland/Southwest	~	~	86	21%
BC - Vancouver Island/Coast	0	0%	17	4%
BC – Northern B.C.	0	0%	14	3%
BC – Interior/Kootenays	~	~	199	49%
BC Subtotal	9	60%	316	78%
Canada – Alberta	~	~	60	15%
Canada – Ontario	~	~	~	~
Canada – Other	0	0%	15	4%
U.S.A.	0	0%	~	~
Non-BC Subtotal	6	40%	90	22%
Total	15	100%	406	100%







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

Program Satisfaction:	14.1001		UB	СО
Very Satisfied	4	22%	118	26%
Satisfied	10	56%	287	64%
Dissatisfied	2	11%	34	8%
Very Dissatisfied	2	11%	8	2%
Total	18	100%	447	100%

3	25%	127	37%
4	33%	159	46%
2	17%	38	11%
3	25%	22	6%
12	100%	346	100%
;	2	2 17% 3 25%	2 17% 38 3 25% 22

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.1	1001	UB	со
Yes	2	11%	39	9%
No	16	89%	402	91%



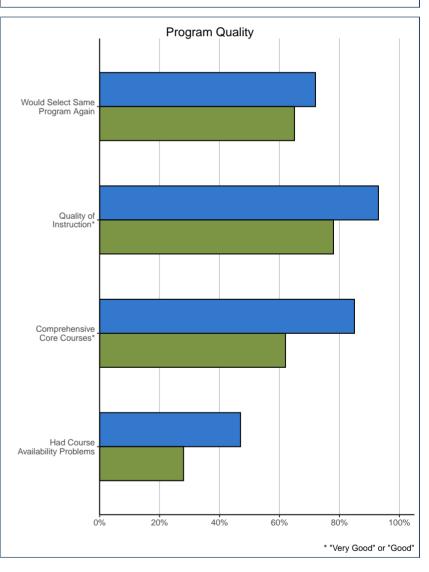
Would select the same program again:	14.1001		UBCO	
Yes	11	65%	290	72%
No	6	35%	111	28%

Quality of Instruction:	14.	14.1001		СО
Very Good	2	11%	121	27%
Good	12	67%	295	66%
Poor	4	22%	26	6%
Very Poor	0	0%	5	1%
Total	18	100%	447	100%

Comprehensiveness of Core Courses:	14.	1001	UE	СО
Very Good	1	6%	89	20%
Good	10	56%	287	65%
Poor	6	33%	56	13%
Very Poor	1	6%	7	2%
Total	18	100%	439	100%

Course Availability:	14.1	001	UB	СО
Encountered course availability problems	5	28%	205	47%

Financial Constraints:	14.1001		UBCO	
Had to interrupt studies for financial reasons	1	6%	23	5%
Had to take program part-time for financial reasons	0	0%	34	8%

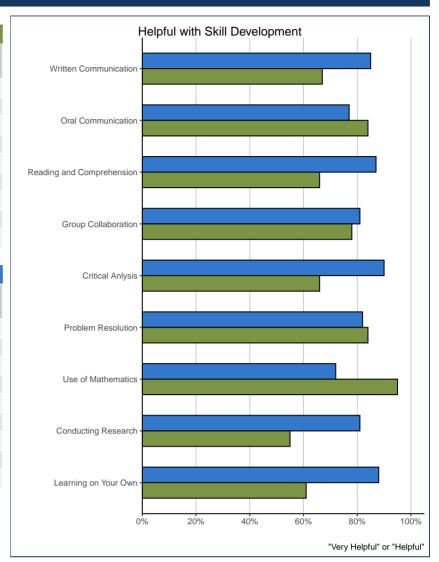




#### SKILL DEVELOPMENT

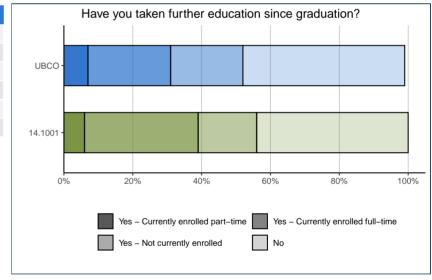
			14.1001		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	28%	39%	33%	0%	18
Oral Communication	17%	67%	17%	0%	18
Reading and Comprehension	22%	44%	33%	0%	18
Group Collaboration	39%	39%	22%	0%	18
Critical Anlysis	44%	22%	33%	0%	18
Problem Resolution	17%	67%	17%	0%	18
Use of Mathematics	39%	56%	6%	0%	18
Conducting Research	22%	33%	44%	0%	18
Learning on Your Own	28%	33%	39%	0%	18

			UBCO		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	27%	58%	13%	2%	437
Oral Communication	21%	56%	20%	3%	443
Reading and Comprehension	31%	56%	11%	1%	445
Group Collaboration	29%	52%	17%	2%	448
Critical Anlysis	46%	44%	8%	1%	448
Problem Resolution	24%	58%	14%	3%	438
Use of Mathematics	21%	51%	20%	8%	377
Conducting Research	33%	48%	17%	2%	431
Learning on Your Own	37%	51%	9%	2%	448

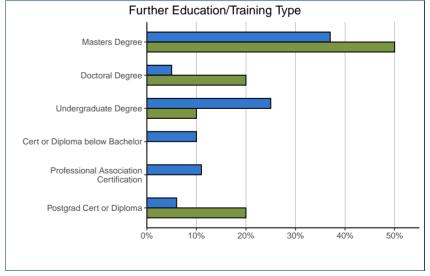


#### **FURTHER EDUCATION**

Took further education since 2020 graduation:	14.1001		UBCO	
Yes	10	56%	239	53%
Not currently enrolled	3	17%	96	21%
Currently enrolled full-time	6	33%	110	24%
Currently enrolled part-time	1	6%	31	7%
No	8	44%	210	47%
Total	18	100%	449	100%



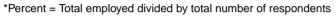
Type of Formal Post–Secondary Education:	14.	14.1001		UBCO	
Masters Degree	5	50%	87	37%	
Doctoral Degree	2	20%	12	5%	
Another Undergraduate Degree	1	10%	59	25%	
Certificate or Diploma below Bachelor level	0	0%	23	10%	
Professional Association Certification	0	0%	27	11%	
Postgraduate Certificate or Diploma	2	20%	14	6%	
Other	0	0%	13	6%	
Total	10	100%	235	100%	



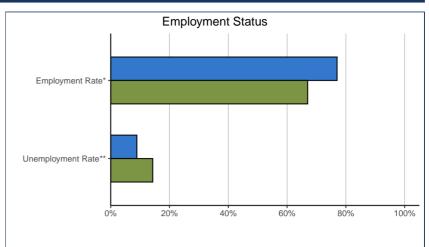


#### **EMPLOYMENT**

Labour Fource Status:	14.1001		UBCO	
In Labour Force (working or seeking work)	14	78%	381	86%
Not in Labour Force	4	22%	62	14%
Total	18	100%	443	100%
Employment:	14.1001		UBCO	
Employment Rate*	12	67%	347	77%
Unemployment Rate**	2	14.3%	34	8.9%



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

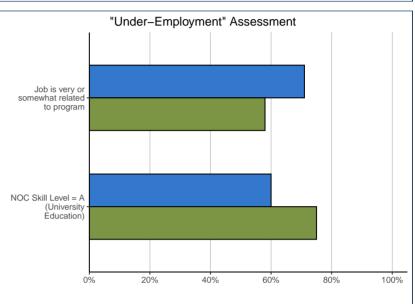


Status of Graduates NOT in Labour Force:	14.1001		UBCO	
Attending School FT	3	75%	51	82%
Attending School PT	0	0%	2	3%
Other	1	25%	9	15%
Total NOT in Labour Force	4	100%	62	100%

Primary Employment Type:	14.1001		UBCO	
Paid worker	11	92%	327	95%
Self-employed	1	8%	19	5%
Total	12	100%	346	100%

Job Characteristics:	14.1001		UBCO	
I hold more than one job*	2	17%	68	20%
My main job is full-time (>= 30 hours per week)**	11	92%	290	88%

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



How related is your main job to your program?	14.1001		UBCO	
Very Related	5	42%	132	38%
Somewhat Related	2	17%	116	33%
Not Very Related	3	25%	49	14%
Not at All Related	2	17%	50	14%
Total	12	100%	347	100%

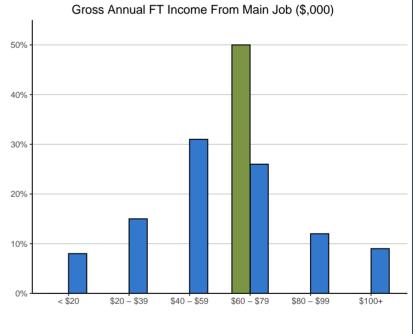
"Under-employment" Assessment:	14.1001		UBCO	
Job is very or somewhat related to program	7	58%	248	71%
NOC Skill Level = A (University Education)*	9	75%	199	60%

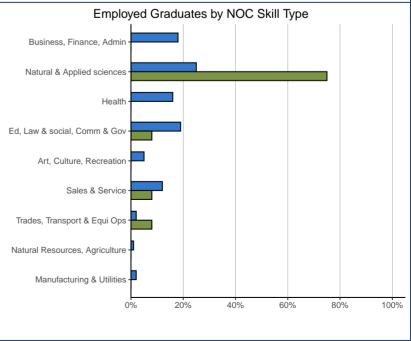
<sup>\*</sup>Of total valid responses

Gross Annual Income from Main Job:*	14.	14.1001		UBCO	
Less than \$20,000	~	~ ~		8%	
\$20,000 to \$39,999	0	0%	40	15%	
\$40,000 to \$59,999	~	~	84	31%	
\$60,000 to \$79,999	5	50%	72	26%	
\$80,000 to \$99,999	~	~	32	12%	
\$100,000 and Above	~	~	26	9%	
Total	10	100%	275	100%	
Median Annual Income (full-time) (\$)	67,500		60,500		
Average Annual Income (full-time) (\$)	71,906		66,343		
****					

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

NOC Skill Type of Main Job:	14.1001		UBCO	
Business, finance & administration	0	0%	61	18%
Natural & applied sciences & related	9	75%	83	25%
Health	0	0%	52	16%
Education, law and social, community & government	1	8%	64	19%
Art, culture, recreation & sport	0	0%	16	5%
Sales & service	1	8%	40	12%
Trades, transport & equipment operators & related	1	8%	6	2%
Natural resources, agriculture & related production	0	0%	4	1%
Manufacturing & utilities	0	0%	6	2%
Total	12	100%	332	100%





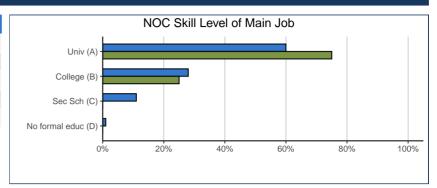
<sup>\*\*</sup>Of those who provided data on hours/week worked





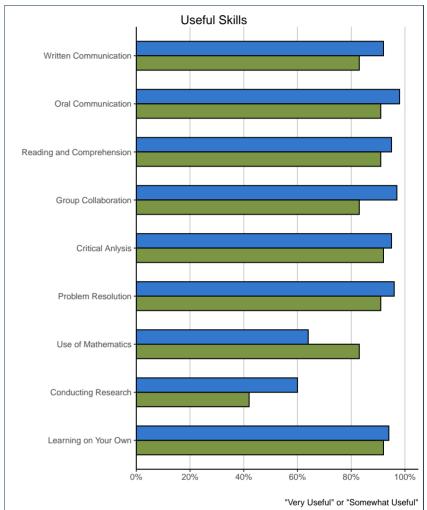
## EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.1001		UBCO	
A. University education		75%	199	60%
B. College education/trade apprenticeship	3	25%	94	28%
C. Secondary school + job-specific training	0	0%	36	11%
D. No formal education	0	0%	3	1%
Total	12	100%	332	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	75%	8%	8%	8%	12	
Oral Communication	83%	8%	0%	8%	12	
Reading and Comprehension	83%	8%	0%	8%	12	
Group Collaboration	83%	0%	8%	8%	12	
Critical Anlysis	67%	25%	0%	8%	12	
Problem Resolution	83%	8%	0%	8%	12	
Use of Mathematics	33%	50%	8%	8%	12	
Conducting Research	25%	17%	42%	17%	12	
Learning on Your Own	67%	25%	8%	0%	12	

	UBCO				
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%	26%	4%	4%	347
Oral Communication	78%	20%	1%	1%	346
Reading and Comprehension	73%	22%	4%	1%	347
Group Collaboration	79%	18%	1%	1%	347
Critical Anlysis	75%	20%	3%	2%	347
Problem Resolution	80%	16%	2%	2%	346
Use of Mathematics	25%	39%	21%	16%	339
Conducting Research	28%	32%	24%	16%	341
Learning on Your Own	66%	28%	4%	3%	344



Top 10 Full-tim	e Occupations of 14.1001 G	raduates:	14.1001
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
*			
*			
*			
*			
*			
*			
*			
*			
*			
*			

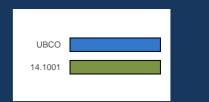
<sup>\*</sup> Data not displayed where n < 5

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

Top 10 Full-time Occupations of UBCO Graduates:			UBCO
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
3012	A	Registered nurses and registered psychiatric nurses	9%
2132	A	Mechanical engineers	4%
2131	A	Civil engineers	3%
1221	В	Administrative officers	3%
XXXX	0	Unclassified occupations	2%
4031	A	Secondary school teachers	2%
4161	A	Natural and applied science policy researchers, consultants and program officers	2%
4212	В	Social and community service workers	2%
1123	A	Professional occupations in advertising, marketing and public relations	2%
2174	Α	Computer programmers and interactive media developers	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.	14.1001		СО
Personal savings, investments		28%	157	35%
Employment while studying		39%	222	50%
Family/Friends	13	72%	278	63%
Personal bank loans	0	0%	19	4%
Government student loans	8	44%	163	37%
Scholarships/Bursaries/Grants	6	33%	173	39%
Other	7	39%	63	14%
Total	18		444	



Financial Debt Incurred to Finance Bac. Ed.:*	14.1001		UBCO	
Incurred any form of financial debt	9	50%	211	47%
Incurred government-sponsored student loan debt	8	44%	185	41%

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



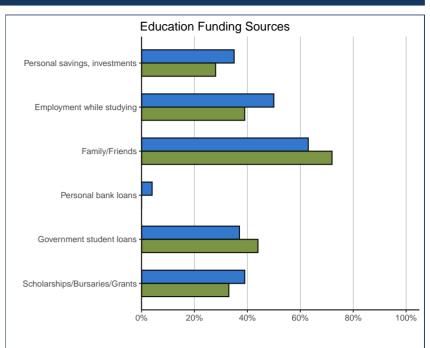
<sup>\*</sup> Includes only cases where financial debt was incurred

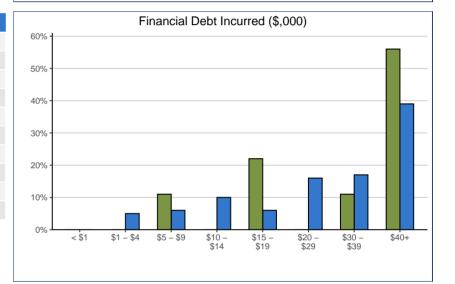


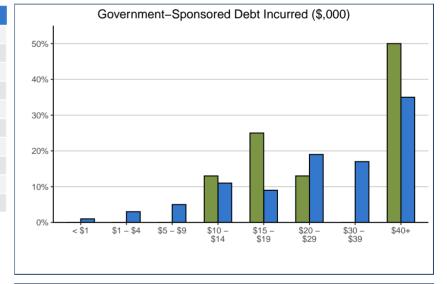
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

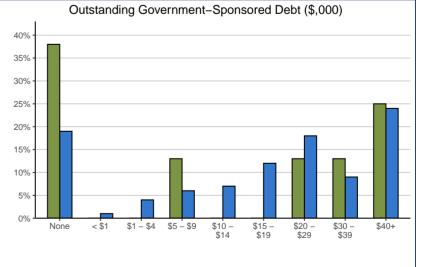


<sup>\*</sup> Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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