

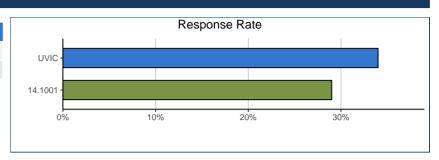
# B.C. Baccalaureate Outcomes 2023 Survey of 2021 Baccalaureate Graduates

UVIC 14.1001

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

## RESPONSE RATE

Survey Response Rate:	14.1001		UVIC	
Baccalaureate Graduates Survey Cohort	79	100%	3,377	100%
Survey Respondents and Response Rate	23	29%	1,145	34%

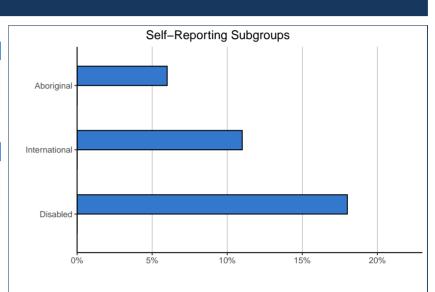


### DEMOGRAPHIC INFORMATION

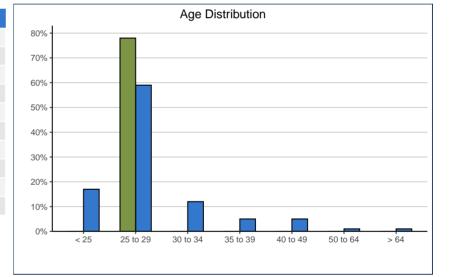
Self-Reporting Subgroups:	14.1001		UVIC	
Disabled	~	~	194	18%
International	0	0%	122	11%
Aboriginal	~	~	58	6%

Gender:*	14.1001		UVIC	
Male	~	~	477	42%
Female	~	~	668	58%
Total	23	100%	1,145	100%

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

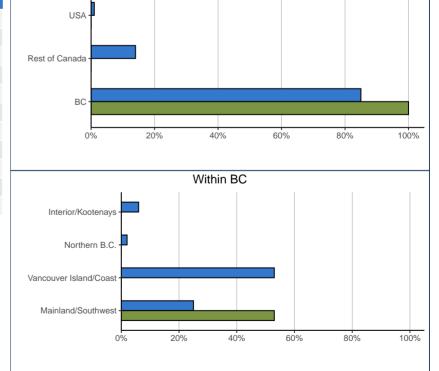


Age (at time of survey):	14.1001		UVIC	
< 25	0	0%	194	17%
25 to 29	18	78%	680	59%
30 to 34	~	~	133	12%
35 to 39	0	0%	59	5%
40 to 49	~	~	57	5%
50 to 64	0	0%	16	1%
> 64	0	0%	6	1%
Total	23	100%	1,145	100%
Median Age	27		26	
Average (mean) Age	28		28	

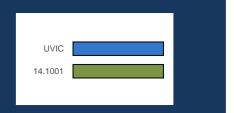


Place of Residence

Place of Pacidones (at time of curvou):	14.1001		UVIC	
Place of Residence (at time of survey):	14.1001		UVIC	
BC – Mainland/Southwest	10	53%	252	25%
BC - Vancouver Island/Coast	~	~	529	53%
BC – Northern B.C.	0	0%	18	2%
BC – Interior/Kootenays	~	~	59	6%
BC Subtotal	19	100%	858	85%
Canada – Alberta	0	0%	67	7%
Canada – Ontario	0	0%	34	3%
Canada – Other	0	0%	40	4%
U.S.A.	0	0%	7	1%
Non-BC Subtotal	0	0%	148	15%
Total	19	100%	1,006	100%





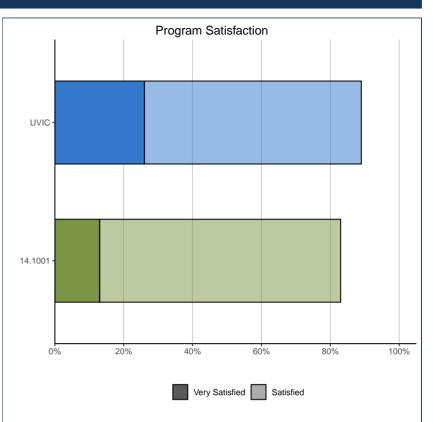


### **EDUCATION EVALUATION AND SKILL DEVELOPMENT**

Program Satisfaction:	14.1001		UVIC	
Very Satisfied	3	13%	290	26%
Satisfied	16	70%	711	63%
Dissatisfied	4	17%	112	10%
Very Dissatisfied	0	0%	21	2%
Total	23	100%	1,134	100%

14.1001		UVIC	
9	41%	352	38%
12	55%	447	48%
1	5%	106	11%
0	0%	29	3%
22	100%	934	100%
	9 12 1 0	9 41% 12 55% 1 5% 0 0%	9 41% 352 12 55% 447 1 5% 106 0 0% 29

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	14.1001		UVIC	
Yes	2	9%	93	8%	
No	20	91%	1,021	92%	



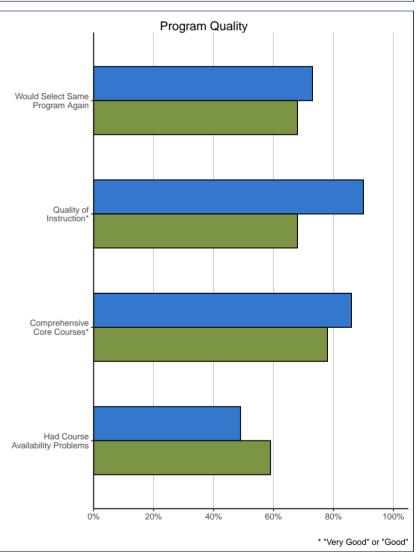
Would select the same program again:	14.1001		UVIC	
Yes	13	68%	721	73%
No	6	32%	263	27%

Quality of Instruction:	14.1001		UVIC	
Very Good	0	0%	290	26%
Good	15	68%	728	64%
Poor	7	32%	106	9%
Very Poor	0	0%	12	1%
Total	22	100%	1.136	100%

Comprehensiveness of Core Courses:	14.1001		UVIC	
Very Good	3	13%	265	24%
Good	15	65%	695	62%
Poor	5	22%	136	12%
Very Poor	0	0%	24	2%
Total	23	100%	1,120	100%

Course Availability:	14.1001		UVIC	
Encountered course availability problems	13	59%	539	49%

Financial Constraints:	14.1001		UVIC	
Had to interrupt studies for financial reasons	4	18%	135	12%
Had to take program part-time for financial reasons	3	14%	205	18%



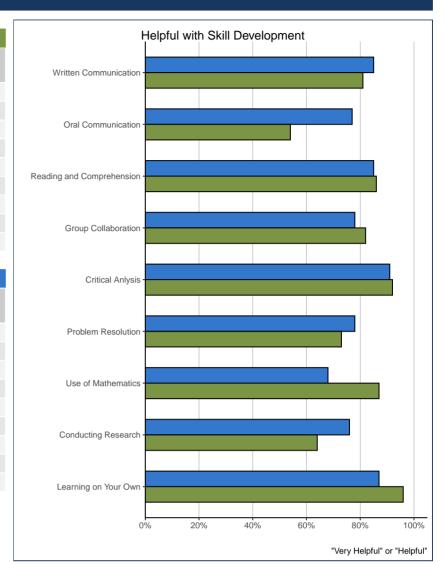




### SKILL DEVELOPMENT

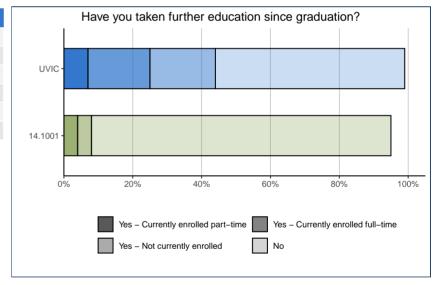
			14.1001		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	10%	71%	14%	5%	21
Oral Communication	9%	45%	36%	9%	22
Reading and Comprehension	9%	77%	9%	5%	22
Group Collaboration	14%	68%	14%	5%	22
Critical Anlysis	22%	70%	4%	4%	23
Problem Resolution	23%	50%	23%	5%	22
Use of Mathematics	48%	39%	9%	4%	23
Conducting Research	14%	50%	23%	14%	22
Learning on Your Own	48%	48%	4%	0%	23

			UVIC		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	25%	60%	14%	2%	1,115
Oral Communication	23%	54%	19%	3%	1,111
Reading and Comprehension	31%	54%	13%	1%	1,119
Group Collaboration	25%	53%	18%	3%	1,122
Critical Anlysis	43%	48%	7%	2%	1,139
Problem Resolution	22%	56%	18%	4%	1,104
Use of Mathematics	22%	46%	23%	9%	826
Conducting Research	28%	48%	20%	5%	1,082
Learning on Your Own	35%	52%	10%	3%	1,128

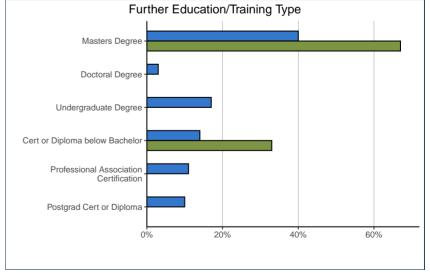


#### **FURTHER EDUCATION**

Took further education since 2021 graduation:	14.1001		UVIC	
Yes	3	13%	507	45%
Not currently enrolled	1	4%	214	19%
Currently enrolled full-time	1	4%	210	18%
Currently enrolled part-time	0	0%	76	7%
No	20	87%	629	55%
Total	23	100%	1,136	100%



Type of Formal Post–Secondary Education:	14	14.1001		UVIC	
Masters Degree	2	67%	199	40%	
Doctoral Degree	0	0%	15	3%	
Another Undergraduate Degree	0	0%	85	17%	
Certificate or Diploma below Bachelor level	1	33%	72	14%	
Professional Association Certification	0	0%	57	11%	
Postgraduate Certificate or Diploma	0	0%	52	10%	
Other	0	0%	21	4%	
Total	3	100%	501	100%	





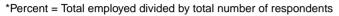
#### **EMPLOYMENT**

76

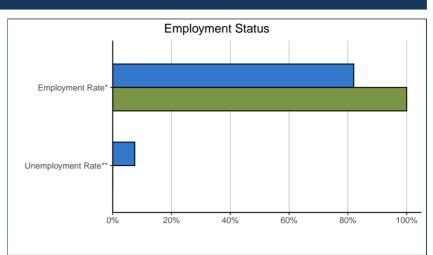
7.5%

0.0%

Labour Fource Status:	14.1001		UVIC	
In Labour Force (working or seeking work)	23	100%	1,018	91%
Not in Labour Force	0	0%	102	9%
Total	23	100%	1,120	100%
Employment:	14.1001		UVIC	
Employment Rate*	23	100%	942	82%



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



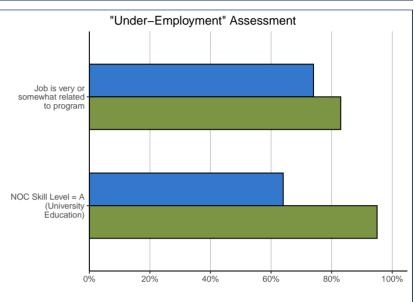
Status of Graduates NOT in Labour Force:	14.1001		UVIC	
Attending School FT	0	0%	64	63%
Attending School PT	0	0%	4	4%
Other	0	0%	34	33%
Total NOT in Labour Force	0	0%	102	100%
Total NOT in Labour Force	0	0%	102	100%

Primary Employment Type:	14.1001		UVIC	
Paid worker	22	96%	890	95%
Self-employed	1	4%	49	5%
Total	23	100%	939	100%

Job Characteristics:	14.1001		UVIC	
I hold more than one job*	1	4%	194	21%
My main job is full-time (>= 30 hours per week)**	22	100%	781	88%

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

Unemployment Rate\*\*



How related is your main job to your program?	14.1001		UVIC	
Very Related	10	43%	399	42%
Somewhat Related	9	39%	296	31%
Not Very Related	3	13%	128	14%
Not at All Related	1	4%	117	12%
Total	23	100%	940	100%

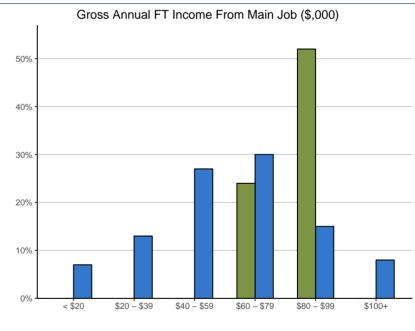
"Under-employment" Assessment:	14.1001		UVIC	
Job is very or somewhat related to program	19	83%	695	74%
NOC Skill Level = A (University Education)*	19	95%	563	64%

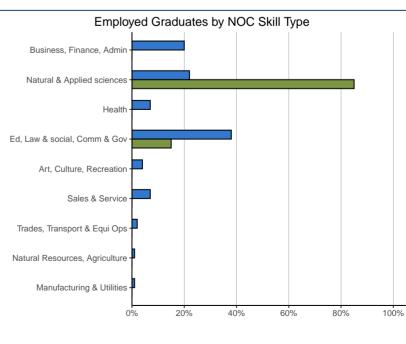
<sup>\*</sup>Of total valid responses

14.	14.1001		UVIC	
~	~	50	7%	
0	0%	98	13%	
~	~	197	27%	
5	24%	226	30%	
11	52%	111	15%	
~	~	61	8%	
21	100%	743	100%	
87,000		65,567		
86,085		68,764		
	~ 0 ~ 5 11 ~ 21 87,000	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	~ ~ 50 0 0% 98 ~ ~ 197 5 24% 226 11 52% 111 ~ ~ 61 21 100% 743 87,000 65,567	

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

NOC Skill Type of Main Job:	14	14.1001		UVIC	
Business, finance & administration		0%	177	20%	
Natural & applied sciences & related	17	85%	190	22%	
Health		0%	64	7%	
Education, law and social, community & government		15%	330	38%	
Art, culture, recreation & sport	0	0%	31	4%	
Sales & service		0%	60	7%	
Trades, transport & equipment operators & related	0	0%	18	2%	
Natural resources, agriculture & related production	0	0%	5	1%	
Manufacturing & utilities	0	0%	5	1%	
Total	20	100%	880	100%	





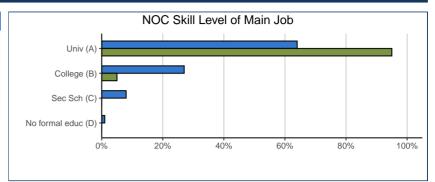
<sup>\*\*</sup>Of those who provided data on hours/week worked





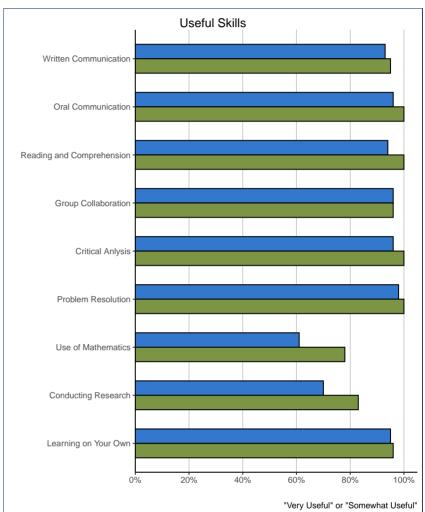
### EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.1001		UVIC	
A. University education	19	95%	563	64%
B. College education/trade apprenticeship	1	5%	237	27%
C. Secondary school + job-specific training	0	0%	73	8%
D. No formal education	0	0%	8	1%
Total	20	100%	881	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	78%	17%	4%	0%	23
Oral Communication	83%	17%	0%	0%	23
Reading and Comprehension	91%	9%	0%	0%	23
Group Collaboration	87%	9%	4%	0%	23
Critical Anlysis	96%	4%	0%	0%	23
Problem Resolution	87%	13%	0%	0%	23
Use of Mathematics	43%	35%	17%	4%	23
Conducting Research	48%	35%	9%	9%	23
Learning on Your Own	87%	9%	4%	0%	23

	UVIC				
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%	21%	4%	3%	933
Oral Communication	80%	16%	2%	1%	935
Reading and Comprehension	72%	22%	4%	1%	935
Group Collaboration	81%	15%	3%	1%	934
Critical Anlysis	78%	18%	3%	1%	935
Problem Resolution	84%	14%	2%	1%	934
Use of Mathematics	26%	35%	23%	16%	911
Conducting Research	37%	33%	18%	11%	923
Learning on Your Own	71%	24%	3%	2%	932



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	52%
*			
*			
*			
*			
*			
*			
*			
*			
*			

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

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

Top 10 Full-time Occupations of UVIC Graduates:		UVIC	
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
4212	В	Social and community service workers	5%
XXXX	0	Unclassified occupations	4%
4152	Α	Social workers	4%
3012	Α	Registered nurses and registered psychiatric nurses	4%
2174	A	Computer programmers and interactive media developers	3%
4112	Α	Lawyers and Quebec notaries	3%
2132	A	Mechanical engineers	3%
4032	A	Elementary school and kindergarten teachers	2%
2173	Α	Software engineers and designers	2%
1123	A	Professional occupations in advertising, marketing and public relations	2%

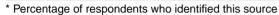
<sup>\*</sup> Data not displayed where n < 5

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



#### **EDUCATION FINANCING**

Funding Sources (3 sources allowed):*	14.	14.1001		/IC
Personal savings, investments	6	6 26%		32%
Employment while studying		35%	545	49%
Family/Friends	12	52%	647	58%
Personal bank loans	5	22%	87	8%
Government student loans	7	30%	393	35%
Scholarships/Bursaries/Grants	3	13%	418	37%
Other	14	61%	345	31%
Total	23		1,117	



Financial Debt Incurred to Finance Bac. Ed.:*	14.1001		UVIC	
Incurred any form of financial debt	15	65%	523	46%
Incurred government-sponsored student loan debt	11	48%	440	39%

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



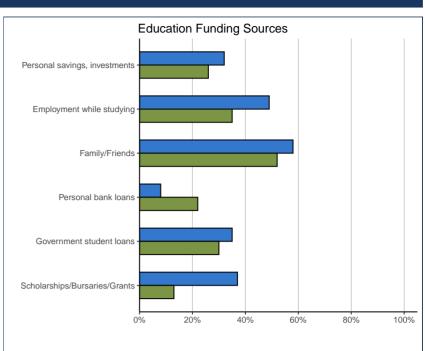
<sup>\*</sup> Includes only cases where financial debt was incurred

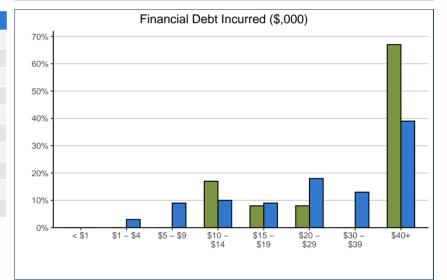


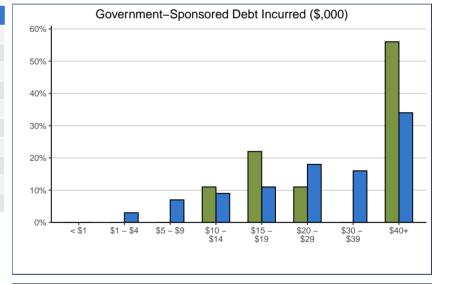
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

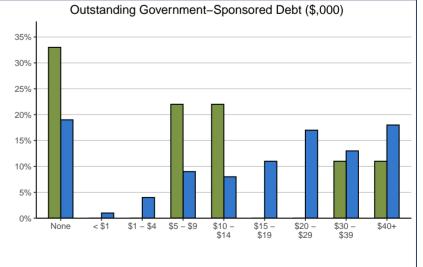


<sup>\*</sup> Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









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