

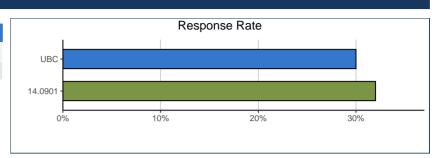
# B.C. Baccalaureate Outcomes 2023 Survey of 2021 Baccalaureate Graduates

UBC 14.0901

Detailed Summary of Survey Results
University of British Columbia
14.0901: Computer engineering, general

### RESPONSE RATE

Survey Response Rate:	14.0901		UBC	
Baccalaureate Graduates Survey Cohort	92	100%	7,002	100%
Survey Respondents and Response Rate	29	32%	2,067	30%

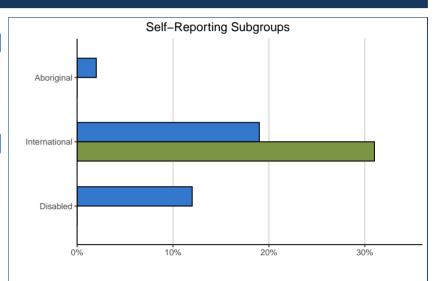


### DEMOGRAPHIC INFORMATION

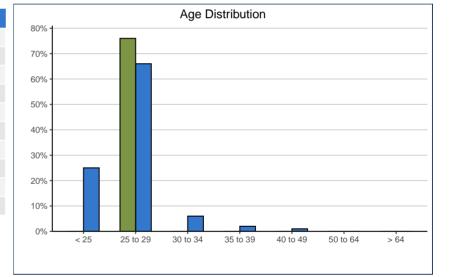
Self-Reporting Subgroups:	14.0901		UBC	
Disabled	0	0%	233	12%
International	9	31%	400	19%
Aboriginal	0	0%	28	2%

Gender:*	14.0901		UBC	
Male	23	79%	910	44%
Female	6	21%	1,157	56%
Total	29	100%	2,067	100%

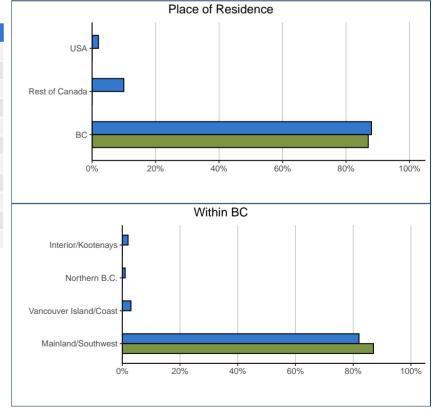
<sup>\*</sup>Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.



Age (at time of survey):	14.0901		UBC	
< 25	~	~	504	25%
25 to 29	22	76%	1,358	66%
30 to 34	0	0%	126	6%
35 to 39	~	~	32	2%
40 to 49	0	0%	28	1%
50 to 64	0	0%	~	~
> 64	0	0%	~	~
Total	29	100%	2,054	100%
Median Age	25		25	
Average (mean) Age	26		26	



Place of Residence (at time of survey):	14.	14.0901		UBC	
BC - Mainland/Southwest	20	87%	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	20	87%	1,573	88%	
Canada – Alberta	~	~	78	4%	
Canada – Ontario	0	0%	79	4%	
Canada – Other	0	0%	32	2%	
U.S.A.	~	~	34	2%	
Non-BC Subtotal	~	~	223	12%	
Total	23	100%	1,796	100%	





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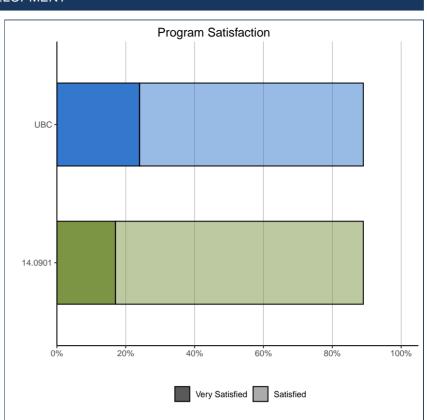


### **EDUCATION EVALUATION AND SKILL DEVELOPMENT**

Program Satisfaction:	14.0901		UBC	
Very Satisfied	5	17%	492	24%
Satisfied	21	72%	1,327	65%
Dissatisfied	2	7%	174	9%
Very Dissatisfied	1	3%	43	2%
Total	29	100%	2,036	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0901		UBC	
Very Useful	9	36%	545	35%
Somewhat Useful	15	60%	723	46%
Not Very Useful	1	4%	231	15%
Not at All Useful	0	0%	63	4%
Total	25	100%	1,562	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	14.0901		UBC	
Yes	5	17%	132	6%	
No	24	83%	1,901	94%	



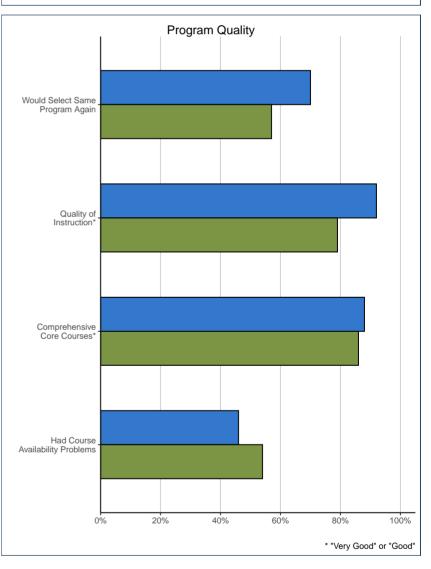
Would select the same program again:	14.0901		UBC	
Yes	13	57%	1,257	70%
No	10	43%	532	30%

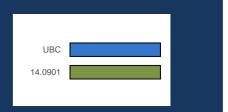
Quality of Instruction:	14.0901		UBC	
Very Good	3	10%	571	28%
Good	20	69%	1,313	64%
Poor	5	17%	141	7%
Very Poor	1	3%	26	1%
Total	29	100%	2.051	100%

Comprehensiveness of Core Courses:	14.	14.0901		UBC	
Very Good	1	4%	523	26%	
Good	23	82%	1,252	62%	
Poor	3	11%	207	10%	
Very Poor	1	4%	38	2%	
Total	28	100%	2.020	100%	

Course Availability:	14.0901		UBC	
Encountered course availability problems	15	54%	916	46%

Financial Constraints:	14.0901		U	ВС
Had to interrupt studies for financial reasons	0	0%	116	6%
Had to take program part-time for financial reasons	0	0%	178	9%

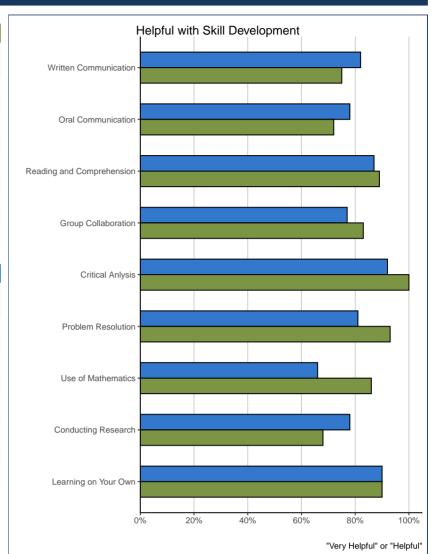




### SKILL DEVELOPMENT

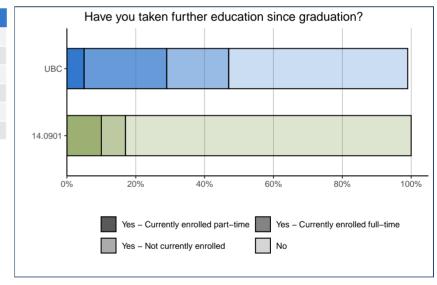
			14.0901		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	14%	61%	21%	4%	28
Oral Communication	11%	61%	29%	0%	28
Reading and Comprehension	25%	64%	7%	4%	28
Group Collaboration	21%	62%	17%	0%	29
Critical Anlysis	31%	69%	0%	0%	29
Problem Resolution	24%	69%	7%	0%	29
Use of Mathematics	34%	52%	14%	0%	29
Conducting Research	20%	48%	28%	4%	25
Learning on Your Own	28%	62%	3%	7%	29

			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

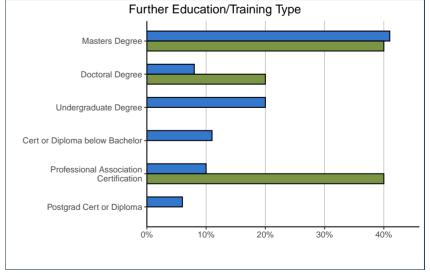


### **FURTHER EDUCATION**

Took further education since 2021 graduation:	14.0	14.0901		ВС
Yes	5	17%	980	48%
Not currently enrolled	2	7%	370	18%
Currently enrolled full-time	3	10%	498	24%
Currently enrolled part-time	0	0%	103	5%
No	24	83%	1,070	52%
Total	29	100%	2.050	100%



Type of Formal Post–Secondary Education:	14.	14.0901		вс
Masters Degree	2	40%	399	41%
Doctoral Degree	1	20%	78	8%
Another Undergraduate Degree	0	0%	198	20%
Certificate or Diploma below Bachelor level	0	0%	103	11%
Professional Association Certification	2	40%	102	10%
Postgraduate Certificate or Diploma	0	0%	61	6%
Other	0	0%	32	3%
Total	5	100%	973	100%



# Detailed Summary of Survey Results University of British Columbia 14.0901: Computer engineering, general



#### **EMPLOYMENT**

177

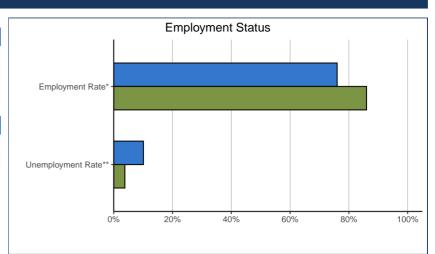
10.1%

3.8%

Labour Fource Status:	14.0901		UBC			
In Labour Force (working or seeking work)	26	93%	1,746	86%		
Not in Labour Force	2	7%	277	14%		
Total	28	100%	2,023	100%		
Employment:	14.0901		14.0901		UE	ЗС
Employment Rate*	25	86%	1,569	76%		



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

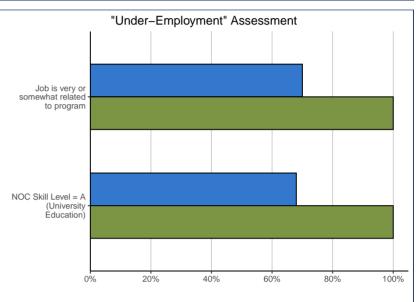


Status of Graduates NOT in Labour Force:	14.0901		U	ВС
Attending School FT	1	50%	220	79%
Attending School PT	0	0%	7	3%
Other	1	50%	50	18%
Total NOT in Labour Force	2	100%	277	100%

Primary Employment Type:	14.0901		UE	BC
Paid worker	25	100%	1,480	95%
Self-employed	0	0%	82	5%
Total	25	100%	1,562	100%

Job Characteristics:	14.0901		U	вс
I hold more than one job*	1	4%	232	15%
My main job is full-time (>= 30 hours per week)**	23	100%	1,295	87%

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



How related is your main job to your program?	14.0901		UBC	
Very Related	17	68%	592	38%
Somewhat Related	8	32%	493	32%
Not Very Related	0	0%	230	15%
Not at All Related	0	0%	245	16%
Total	25	100%	1,560	100%

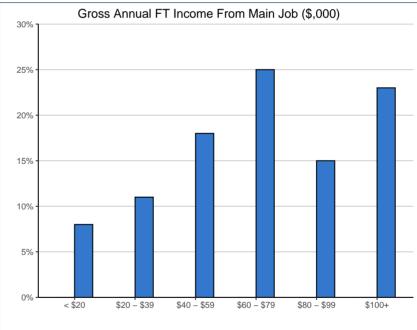
"Under-employment" Assessment:	14.0901		UBC	
Job is very or somewhat related to program	25	100%	1,085	70%
NOC Skill Level = A (University Education)*	24	100%	969	68%

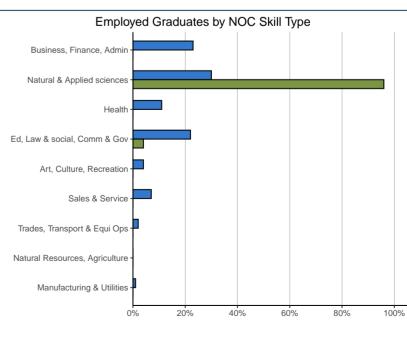
<sup>\*</sup>Of total valid responses

Gross Annual Income from Main Job:*	14.	14.0901		ВС
Less than \$20,000	0	0%	101	8%
\$20,000 to \$39,999	~	~	130	11%
\$40,000 to \$59,999	~	~	222	18%
\$60,000 to \$79,999	~	~	297	25%
\$80,000 to \$99,999	0	0%	185	15%
\$100,000 and Above	~	~	274	23%
Total	19	100%	1,209	100%
Median Annual Income (full-time) (\$)	155,000		73,750	
Average Annual Income (full-time) (\$)	170,878		84,372	
****				

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

NOC Skill Type of Main Job:	14	14.0901		UBC	
Business, finance & administration		0%	322	23%	
Natural & applied sciences & related	23	96%	433	30%	
Health		0%	162	11%	
Education, law and social, community & government		4%	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	24	100%	1,430	100%	





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

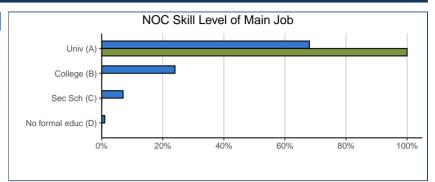


# Detailed Summary of Survey Results University of British Columbia 14.0901: Computer engineering, general



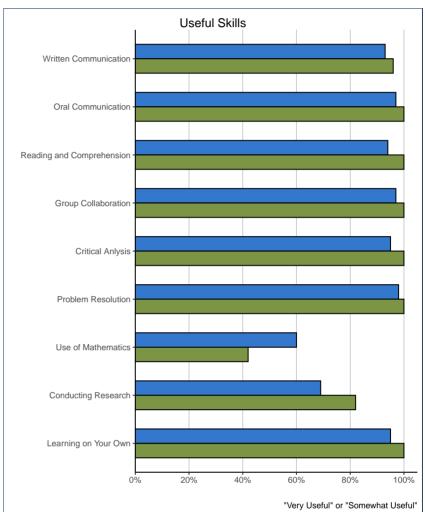
## EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0901		UBC	
A. University education		100%	969	68%
B. College education/trade apprenticeship	0	0%	349	24%
C. Secondary school + job-specific training	0	0%	99	7%
D. No formal education	0	0%	18	1%
Total	24	100%	1,435	100%



	14.0901				
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	64%	32%	4%	0%	25
Oral Communication	76%	24%	0%	0%	25
Reading and Comprehension	68%	32%	0%	0%	25
Group Collaboration	84%	16%	0%	0%	25
Critical Anlysis	88%	12%	0%	0%	25
Problem Resolution	88%	12%	0%	0%	25
Use of Mathematics	13%	29%	50%	8%	24
Conducting Research	30%	52%	13%	4%	23
Learning on Your Own	84%	16%	0%	0%	25

		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 14.0901 Graduates:		14.0901	
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2173	A	Software engineers and designers	52%
2174	А	Computer programmers and interactive media developers	24%
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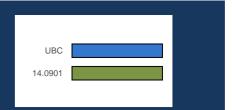
<sup>\*</sup> Data not displayed where n < 5

<sup>\*\*</sup> 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%

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

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



#### **EDUCATION FINANCING**

Funding Sources (3 sources allowed):*	14.0901		UBC	
Personal savings, investments	4	4 14%		28%
Employment while studying		29%	802	40%
Family/Friends	24	86%	1,472	73%
Personal bank loans	0	0%	105	5%
Government student loans	4	14%	654	32%
Scholarships/Bursaries/Grants	7	25%	658	32%
Other	16	57%	505	25%
Total	28		2,025	

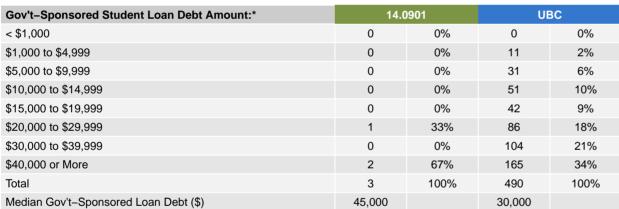
<sup>\*</sup> Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	14.0	0901	U	вс
Incurred any form of financial debt	6	21%	835	41%
Incurred government-sponsored student loan debt	4	14%	719	35%

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



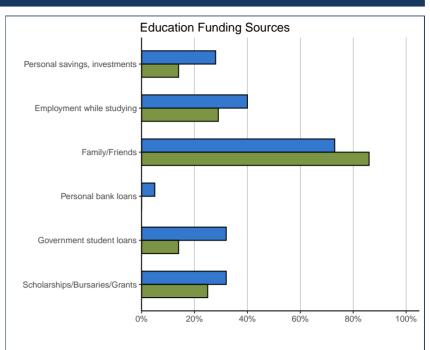
<sup>\*</sup> Includes only cases where financial debt was incurred

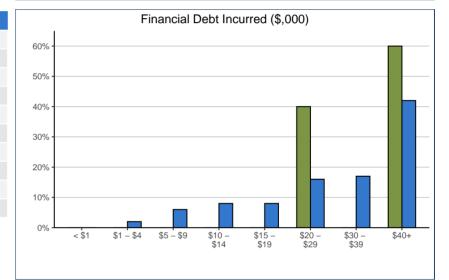


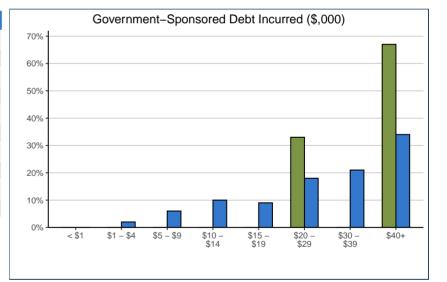
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

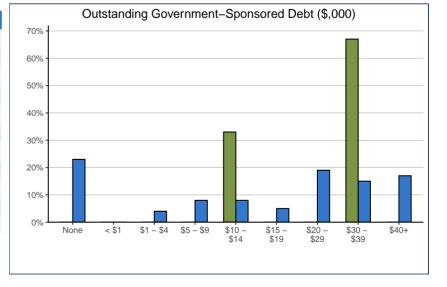


<sup>\*</sup> Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









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