# 

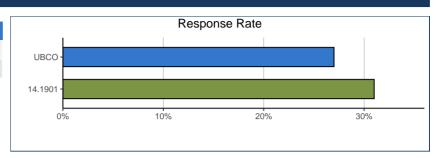
# B.C. Baccalaureate Outcomes 2024 Survey of 2022 Baccalaureate Graduates

UBCO 14.1901

Detailed Summary of Survey Results University of British Columbia Okanagan 14.1901: Mechanical engineering

# RESPONSE RATE

Survey Response Rate:	14.1901		UBCO	
Baccalaureate Graduates Survey Cohort	115	100%	1,608	100%
Survey Respondents and Response Rate	36	31%	438	27%

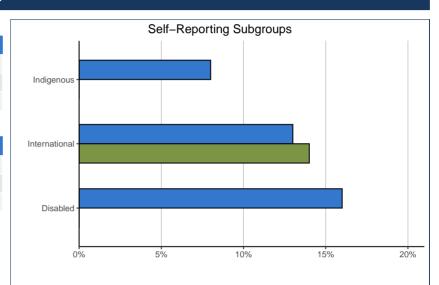


# DEMOGRAPHIC INFORMATION

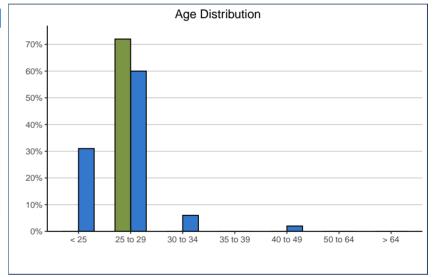
Self-Reporting Subgroups:	14.1901		UBCO	
Disabled	~	~	68	16%
International	5	14%	55	13%
Indigenous	~	~	32	8%

Gender:*	14.1901		14.1901		UB	СО
Man/Boy	28	78%	201	46%		
Woman/Girl	8	22%	237	54%		
Total	36	100%	438	100%		

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



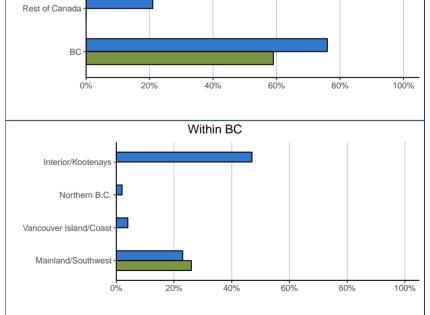
Age (at time of survey):	14.1901		UBCO	
< 25	~	~	135	31%
25 to 29	26	72%	262	60%
30 to 34	~	~	24	6%
35 to 39	0	0%	~	~
40 to 49	0	0%	7	2%
50 to 64	0	0%	~	~
> 64	0	0%	~	~
Total	36	100%	436	100%
Median Age	25		25	
Average (mean) Age	26		26	



Place of Residence

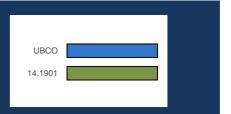
USA -

Place of Residence (at time of survey):	14.1901		UBCO	
BC – Mainland/Southwest	9	26%	90	23%
BC - Vancouver Island/Coast	~	~	17	4%
BC – Northern B.C.	~	~	9	2%
BC – Interior/Kootenays	~	~	185	47%
BC Subtotal	20	59%	301	76%
Canada – Alberta	~	~	52	13%
Canada – Ontario	~	~	16	4%
Canada – Other	~	~	15	4%
U.S.A.	~	~	10	3%
Non-BC Subtotal	14	41%	93	24%
Total	34	100%	394	100%





Detailed Summary of Survey Results University of British Columbia Okanagan 14.1901: Mechanical engineering

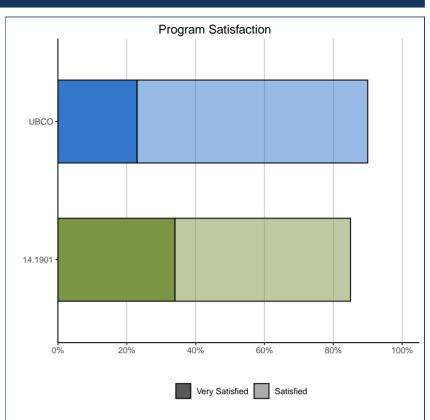


# **EDUCATION EVALUATION AND SKILL DEVELOPMENT**

Program Satisfaction:	14.1901		UBCO	
Very Satisfied	12	34%	100	23%
Satisfied	18	51%	288	67%
Dissatisfied	2	6%	32	7%
Very Dissatisfied	3	9%	9	2%
Total	35	100%	429	100%

14.1901		UBCO	
6	23%	121	37%
13	50%	147	44%
6	23%	46	14%
1	4%	17	5%
26	100%	331	100%
	6 13 6 1	6 23% 13 50% 6 23% 1 4%	6 23% 121 13 50% 147 6 23% 46 1 4% 17

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.	1901	UBCO	
Yes	6	18%	35	8%
No	28	82%	392	92%



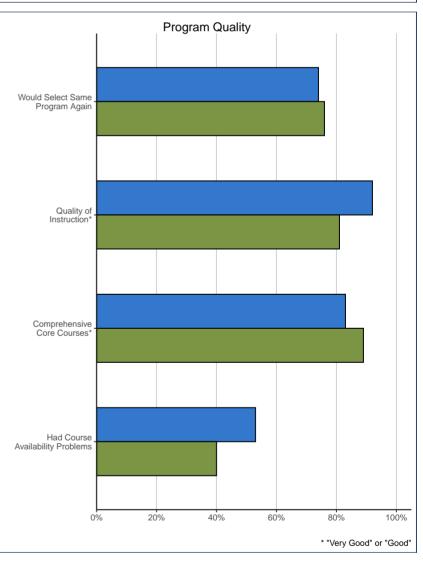
Would select the same program again:	14.1901		UBCO	
Yes	22	76%	291	74%
No	7	24%	100	26%

Quality of Instruction:	14.1901		UBCO	
Very Good	9	25%	106	25%
Good	20	56%	288	67%
Poor	5	14%	31	7%
Very Poor	2	6%	7	2%
Total	36	100%	432	100%

Comprehensiveness of Core Courses:	14.	14.1901		UBCO	
Very Good	9	26%	105	24%	
Good	22	63%	255	59%	
Poor	3	9%	64	15%	
Very Poor	1	3%	6	1%	
Total	35	100%	430	100%	

Course Availability:	14.1	1901	UBCO	
Encountered course availability problems	14	40%	221	53%

Financial Constraints:	14.1901		UBCO	
Had to interrupt studies for financial reasons	1	3%	33	8%
Had to take program part-time for financial reasons	3	8%	50	11%



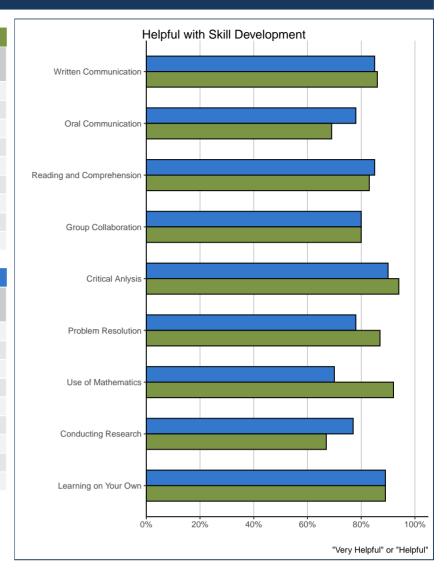
Detailed Summary of Survey Results University of British Columbia Okanagan 14.1901: Mechanical engineering



# SKILL DEVELOPMENT

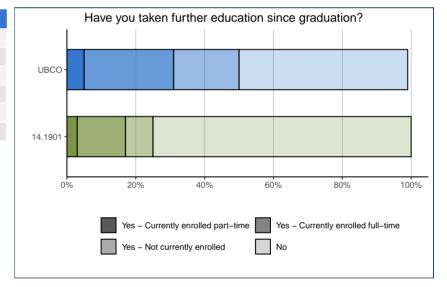
			14.1901		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	26%	60%	11%	3%	35
Oral Communication	20%	49%	23%	9%	35
Reading and Comprehension	29%	54%	14%	3%	35
Group Collaboration	31%	49%	14%	6%	35
Critical Anlysis	36%	58%	3%	3%	36
Problem Resolution	31%	56%	11%	3%	36
Use of Mathematics	53%	39%	3%	6%	36
Conducting Research	36%	31%	28%	6%	36
Learning on Your Own	49%	40%	9%	3%	35

			UBCO		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	28%	57%	13%	2%	422
Oral Communication	23%	55%	19%	3%	431
Reading and Comprehension	29%	56%	14%	1%	429
Group Collaboration	30%	50%	18%	3%	433
Critical Anlysis	43%	47%	9%	1%	436
Problem Resolution	25%	53%	19%	3%	424
Use of Mathematics	30%	40%	22%	8%	366
Conducting Research	33%	44%	19%	5%	416
Learning on Your Own	46%	43%	9%	2%	425

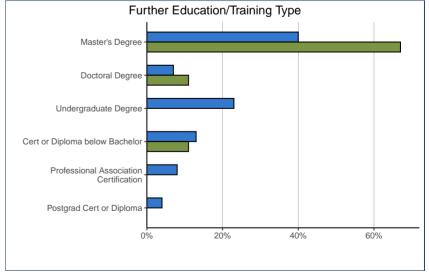


#### **FURTHER EDUCATION**

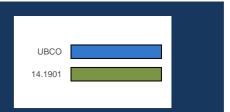
Took further education since 2022 graduation:	14.1901		UBCO	
Yes	9	25%	222	51%
Not currently enrolled	3	8%	85	19%
Currently enrolled full-time	5	14%	114	26%
Currently enrolled part-time	1	3%	23	5%
No	27	75%	215	49%
Total	36	100%	437	100%



Type of Formal Post–Secondary Education:	14.	14.1901		UBCO	
Master's Degree	6	67%	89	40%	
Doctoral Degree	1	11%	16	7%	
Another Undergraduate Degree	0	0%	50	23%	
Certificate or Diploma below Bachelor Level	1	11%	29	13%	
Professional Association Certification	0	0%	17	8%	
Postgraduate Certificate or Diploma	0	0%	9	4%	
Other	1	11%	11	5%	
Total	9	100%	221	100%	

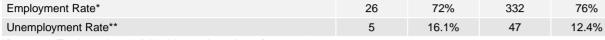


**Detailed Summary of Survey Results** University of British Columbia Okanagan 14.1901: Mechanical engineering

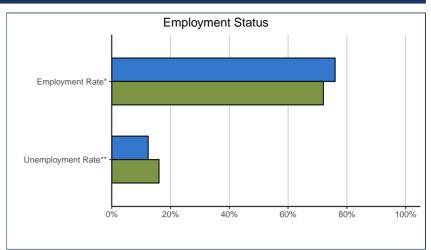


#### **EMPLOYMENT**

Labour Fource Status:	14.1901		UBCO	
In Labour Force (working or seeking work)	31	86%	379	89%
Not in Labour Force	5	14%	47	11%
Total	36	100%	426	100%
Employment:	14.1901		UBCO	



<sup>\*</sup>Percent = Total employed divided by total number of respondents

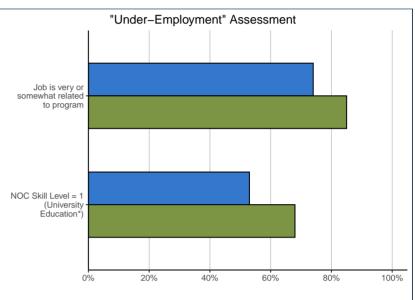


Status of Graduates NOT in Labour Force:	14.1901		UBCO	
Attending School FT	3	60%	39	83%
Attending School PT	0	0%	0	0%
Other	2	40%	8	17%
Total NOT in Labour Force	5	100%	47	100%

Primary Employment Type:	14.1901		UBCO	
Paid Worker	25	100%	316	96%
Self-Employed	0	0%	14	4%
Total	25	100%	330	100%

Job Characteristics:	14.1901		UBCO	
I hold more than one job*	1	4%	57	17%
My main job is full-time (>= 30 hours per week)**	26	100%	276	86%

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



How related is your main job to your program?	14.1	901	UB	СО
Very Related	8	31%	119	36%
Somewhat Related	14	54%	126	38%
Not Very Related	3	12%	38	11%
Not at All Related	1	4%	49	15%
Total	26	100%	332	100%

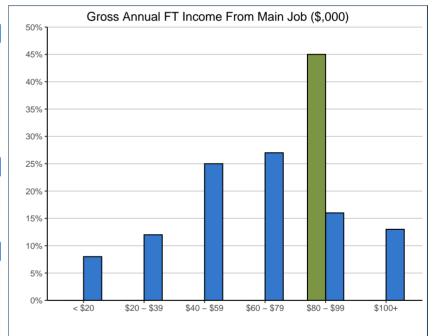
"Under-Employment" Assessment:	14.1901		UBCO	
Job is very or somewhat related to program	22	85%	245	74%
NOC Skill Level = 1 (University Education)*	17	68%	169	53%

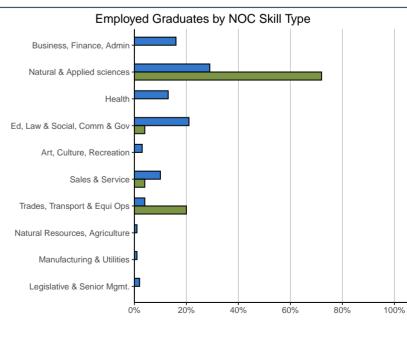
*Of total valid responses;	NOC 2021	(TEER)
----------------------------	----------	--------

Gross Annual Income from Main Job:*	14.1	1901	UB	СО
Less than \$20,000	0	0%	20	8%
\$20,000 to \$39,999	0	0%	31	12%
\$40,000 to \$59,999	~	~	64	25%
\$60,000 to \$79,999	~	~	68	27%
\$80,000 to \$99,999	9	45%	41	16%
\$100,000 and Above	~	~	32	13%
Total	20	100%	256	100%
Median Annual Income (full-time) (\$)	79,500		68,000	
Average Annual Income (full-time) (\$)	78,996		75,041	
*Where data provided				

*Where data provide	d
---------------------	---

NOC Skill Type of Main Job (NOC 2021):	14.1	1901	UB	СО
Legislative and senior management	0	0%	5	2%
Business, finance & administration	0	0%	49	16%
Natural & applied sciences & related	18	72%	93	29%
Health	0	0%	42	13%
Education, law and social, community & government	1	4%	66	21%
Art, culture, recreation & sport	0	0%	11	3%
Sales & service	1	4%	33	10%
Trades, transport & equipment operators & related	5	20%	12	4%
Natural resources, agriculture & related production	0	0%	3	1%
Manufacturing & utilities	0	0%	2	1%
Total	25	100%	316	100%





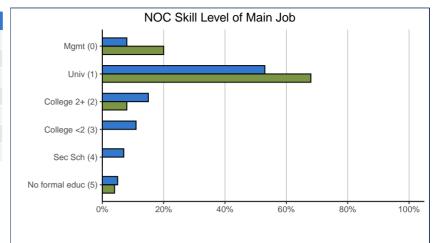
<sup>\*\*</sup>Percent = Total unemployed divided by total number in labour force

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



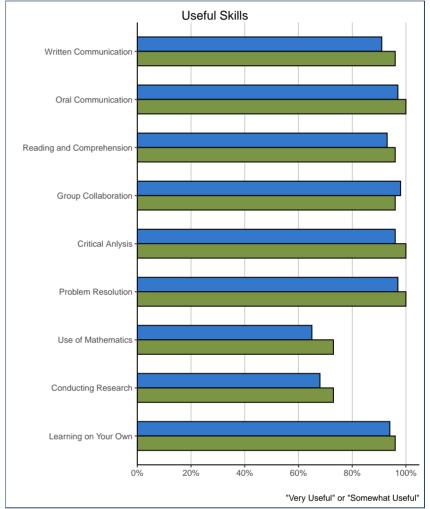
# EMPLOYMENT, continued

NOC Skill Level of Main Job (NOC 2021 (TEER)):	14.1	1901	UBCO	
0. Management	5	5 20%		8%
1. University education	17	68%	169	53%
2. College education/trade apprenticeship (2+ years)	2	8%	48	15%
3. College education/trade apprenticeship (<2 years)	0	0%	35	11%
4. Secondary school + job-specific training	0	0%	23	7%
5. No formal education	1	4%	16	5%
Total	25	100%	316	100%



		14.1901				
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	81%	15%	4%	0%	26	
Oral Communication	88%	12%	0%	0%	26	
Reading and Comprehension	81%	15%	0%	4%	26	
Group Collaboration	81%	15%	4%	0%	26	
Critical Anlysis	77%	23%	0%	0%	26	
Problem Resolution	88%	12%	0%	0%	26	
Use of Mathematics	35%	38%	27%	0%	26	
Conducting Research	38%	35%	19%	8%	26	
Learning on Your Own	92%	4%	4%	0%	26	

	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	69%	22%	7%	3%	329
Oral Communication	79%	18%	1%	1%	330
Reading and Comprehension	75%	18%	4%	3%	331
Group Collaboration	82%	16%	1%	0%	330
Critical Anlysis	75%	21%	3%	1%	331
Problem Resolution	78%	19%	2%	0%	330
Use of Mathematics	32%	33%	22%	14%	323
Conducting Research	36%	32%	16%	15%	325
Learning on Your Own	72%	22%	3%	3%	331



Top 10 Full-Time	Occupations of 14.1901	Graduates*:	14.1901
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
21301	1	Mechanical engineers	35%
70010	0	Construction managers	19%
*			
*			
*			
*			
*			
*			
*			
*			
* Data and displayed	Lubara a . E. NOC 2021		

 $<sup>^{\</sup>star}$  Data not displayed where n < 5; NOC 2021

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

Top 10 Full-Tim	ne Occupations of UBCO	Graduates*:	UBCO
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
31301	1	Registered nurses and registered psychiatric nurses	5%
21300	1	Civil engineers	5%
21310	1	Electrical and electronics engineers	4%
XXXXX	X	Unclassified occupations	4%
21301	1	Mechanical engineers	3%
21232	1	Software developers and programmers	2%
42201	2	Social and community service workers	2%
11100	1	Financial auditors and accountants	2%
13100	3	Administrative officers	2%
21231	1	Software engineers and designers	2%

<sup>\*</sup> Data not displayed where n < 5; NOC 2021

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



#### **EDUCATION FINANCING**

Funding Sources (3 sources allowed):*	14.	14.1901		СО
Personal savings, investments	15 42%		165	38%
Employment while studying	14	39%	220	51%
Family/Friends	26	72%	258	60%
Personal bank loans	1	3%	25	6%
Government student loans	6	17%	155	36%
Scholarships/Bursaries/Grants	11	31%	165	38%
Other	6	17%	84	19%
Total	36		433	



Financial Debt Incurred to Finance Bac. Ed.:*	14.1	1901	UB	СО
Incurred any form of financial debt	7	19%	192	45%
Incurred government-sponsored student loan debt	6	17%	172	39%

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



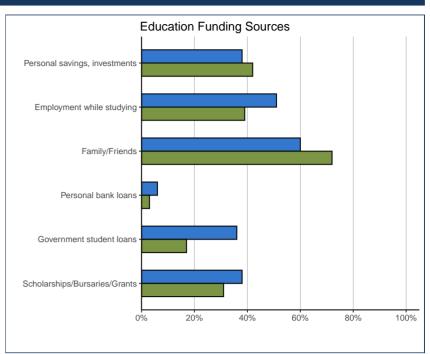
<sup>\*</sup> Includes only cases where financial debt was incurred

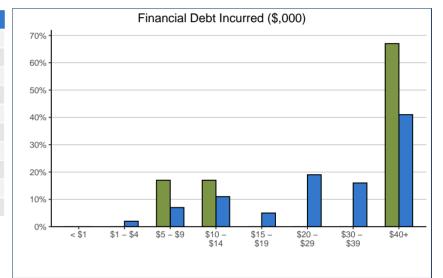


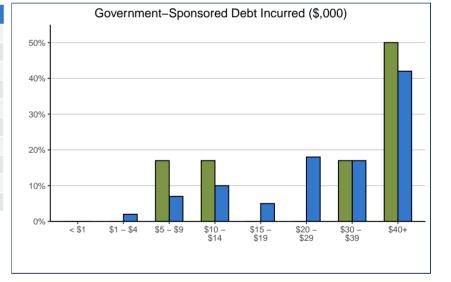
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

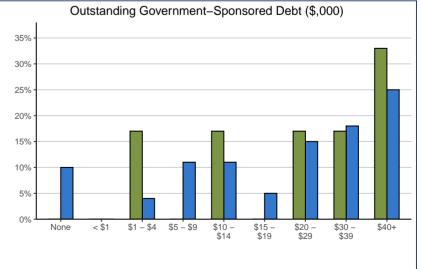


<sup>\*</sup> Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









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