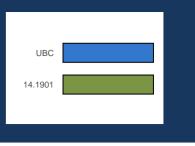


B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

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



30%

40%

RESPONSE RATE										
Survey Response Rate:	14.	14.1901 UBC					Respons	se Rate		
Baccalaureate Graduates Survey Cohort	125	100%	6,879	100%	UBC					
Survey Respondents and Response Rate	49	39%	2,273	33%	OBC					
					14.1901 ·		1			
										-

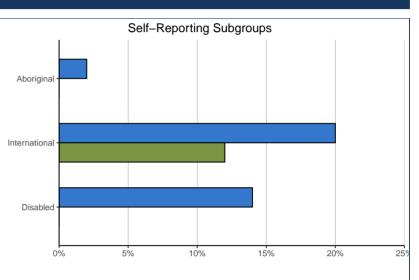
DEMOGRAPHIC INFORMATION

0%

10%

Self-Reporting Subgroups: 14.1901 UBC Disabled 292 14% ~ ~ International 12% 459 20% 6 Aboriginal 41 2%

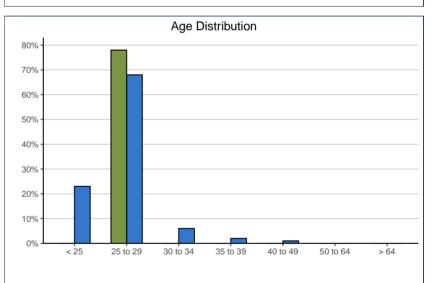
Gender:*	14.1901		UBC	
Male	34	69%	953	42%
Female	15	31%	1,320	58%
Total	49	100%	2,273	100%



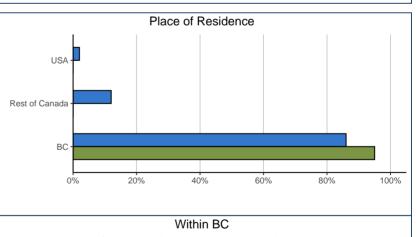
20%

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

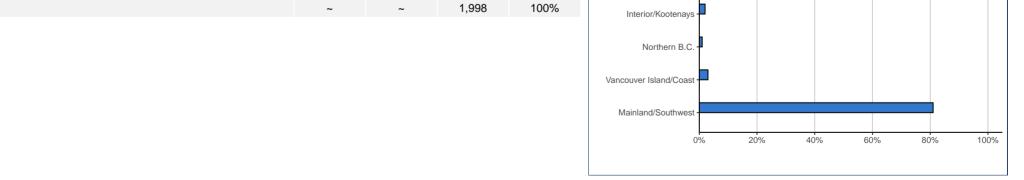
Age (at time of survey):	14.	14.1901		BC
< 25	~	~	520	23%
25 to 29	38	78%	1,549	68%
30 to 34	~	~	133	6%
35 to 39	0	0%	39	2%
40 to 49	0	0%	21	1%
50 to 64	0	0%	~	~
> 64	0	0%	~	~
Total	49	100%	2,269	100%
Median Age	26		25	
Average (mean) Age	26		26	



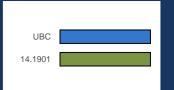
14.1901		UBC	
~	~	1,615	81%
~	~	50	3%
~	~	12	1%
~	~	48	2%
42	95%	1,725	86%
~	~	77	4%
0	0%	112	6%
0	0%	42	2%
0	0%	42	2%
~	~	273	14%
~	~	1,998	100%
	~ ~ ~ 42 ~ 0 0 0 0 ~	~ ~ ~ ~ ~ ~ ~ ~ 42 95% ~ ~ 0 0% 0 0% 0 0% ~ ~ ~ ~	\sim \sim 1,615 \sim \sim 50 \sim \sim 12 \sim \sim 484295%1,725 \sim \sim 7700%11200%4200%42 \sim \sim 273



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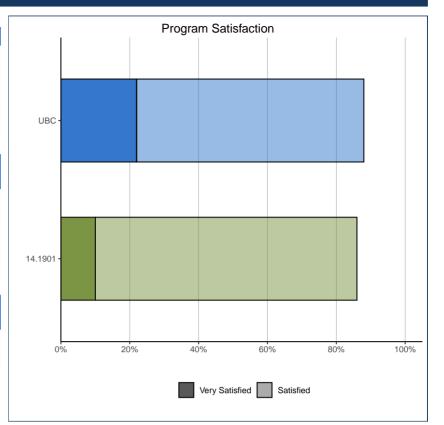


EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.1901		UBC	
Very Satisfied	5	10%	490	22%
Satisfied	37	76%	1,486	66%
Dissatisfied	5	10%	221	10%
Very Dissatisfied	2	4%	44	2%
Total	49	100%	2,241	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.1901		UBC	
Very Useful	12	30%	548	31%
Somewhat Useful	22	55%	924	52%
Not Very Useful	4	10%	242	14%
Not at All Useful	2	5%	60	3%
Total	40	100%	1,774	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.1901		UBC	
Yes	4	9%	127	6%
No	43	91%	2,107	94%



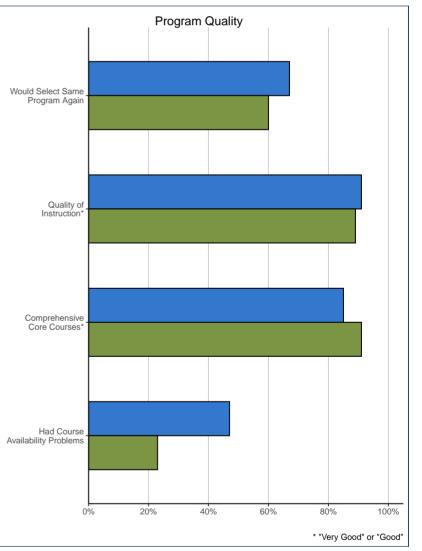
Would select the same program again:	14.1901		UBC	
Yes	24	60%	1,303	67%
No	16	40%	656	33%

Quality of Instruction:	14.1901		UBC	
Very Good	2	4%	588	26%
Good	41	85%	1,467	65%
Poor	4	8%	172	8%
Very Poor	1	2%	30	1%
Total	48	100%	2,257	100%

Comprehensiveness of Core Courses:	14.1901		UBC	
Very Good	4	8%	535	24%
Good	40	83%	1,356	61%
Poor	4	8%	287	13%
Very Poor	0	0%	45	2%
Total	48	100%	2,223	100%

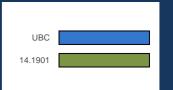
Course Availability:	14.1901		UBC	
Encountered course availability problems	11	23%	1,043	47%

Financial Constraints:	14.1901		UBC	
Had to interrupt studies for financial reasons	3	6%	155	7%
Had to take program part-time for financial reasons	2	4%	224	10%



Note: \sim indicates low cell count; data suppressed

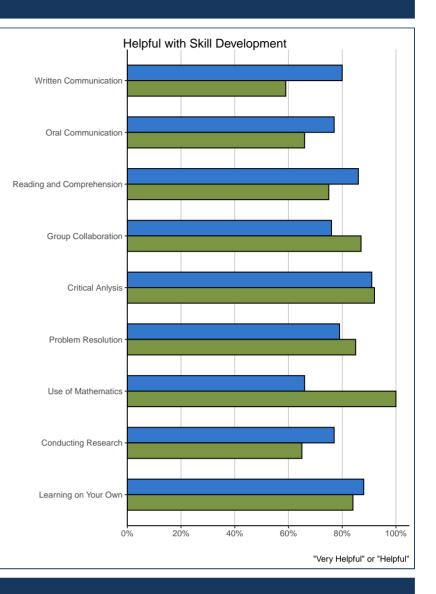




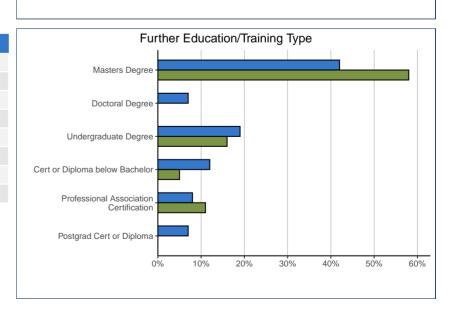
SKILL DEVELOPMENT

		14.1901				
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.	
Written Communication	2%	57%	33%	9%	46	
Oral Communication	9%	57%	28%	6%	47	
Reading and Comprehension	19%	56%	19%	6%	48	
Group Collaboration	22%	65%	12%	0%	49	
Critical Anlysis	39%	53%	8%	0%	49	
Problem Resolution	25%	60%	10%	4%	48	
Use of Mathematics	55%	45%	0%	0%	49	
Conducting Research	12%	53%	35%	0%	49	
Learning on Your Own	29%	55%	12%	4%	49	

			UBC		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	24%	56%	17%	3%	2,198
Oral Communication	22%	55%	20%	4%	2,212
Reading and Comprehension	31%	55%	12%	2%	2,222
Group Collaboration	24%	52%	20%	4%	2,230
Critical Anlysis	43%	48%	8%	2%	2,253
Problem Resolution	24%	55%	18%	3%	2,188
Use of Mathematics	20%	46%	24%	10%	1,801
Conducting Research	29%	48%	19%	4%	2,159
Learning on Your Own	39%	49%	10%	2%	2,236



Have you taken further education since graduation?



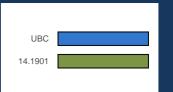
FURTHER EDUCATION

14.1	14.1901		UBC	
19	39%	1,119	49%	
9	18%	454	20%	
9	18%	559	25%	
1	2%	99	4%	
30	61%	1,144	51%	
49	100%	2,263	100%	
	19 9 9 1 30	19 39% 9 18% 9 18% 1 2% 30 61%	19 39% 1,119 9 18% 454 9 18% 559 1 2% 99 30 61% 1,144	

Type of Formal Post–Secondary Education:	14.	1901	U	BC
Masters Degree	11	58%	467	42%
Doctoral Degree	0	0%	82	7%
Another Undergraduate Degree	3	16%	213	19%
Certificate or Diploma below Bachelor level	1	5%	133	12%
Professional Association Certification	2	11%	86	8%
Postgraduate Certificate or Diploma	0	0%	77	7%

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Other	2	11%	52	5%
Total	19	100%	1,110	100%



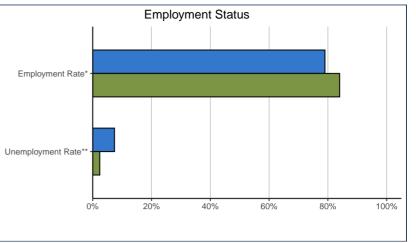


EMPLOYMENT

Labour Fource Status:	14.	14.1901		BC
In Labour Force (working or seeking work)	42	88%	1,931	87%
Not in Labour Force	6	13%	296	13%
Total	48	100%	2,227	100%
			11	
Employment:	14.	14.1901		BC
Employment Rate*	41	84%	1,788	79%
Unemployment Rate**	1	2.4%	143	7.4%

Unemployment Rate

*Percent = Total employed divided by total number of respondents **Percent = Total unemployed divided by total number in Labour Force



Status of Graduates NOT in Labour Force:	14.1901		UBC	
Attending School FT	6	100%	238	80%
Attending School PT	0	0%	2	1%
Other	0	0%	56	19%
Total NOT in Labour Force	6	100%	296	100%

Primary Employment Type:	14.1901		UBC	
Paid worker	41	100%	1,679	94%
Self-employed	0	0%	106	6%
Total	41	100%	1,785	100%

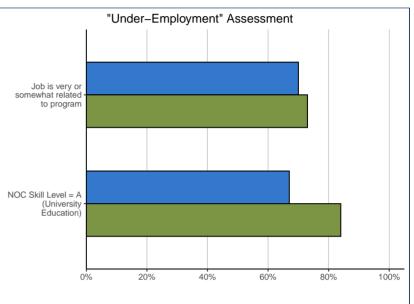
Job Characteristics:	14.1901		UBC	
I hold more than one job*	4	10%	300	17%
My main job is full-time (>= 30 hours per week)**	38	93%	1,465	86%
*Of total Employed				

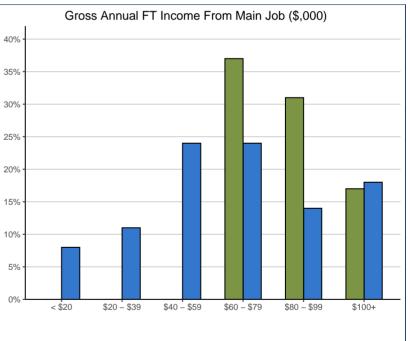


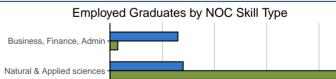
How related is your main job to your program?	14.	14.1901		BC
Very Related	13	32%	628	35%
Somewhat Related	17	41%	621	35%
Not Very Related	7	17%	271	15%
Not at All Related	4	10%	264	15%
Total	41	100%	1,784	100%

"Under-employment" Assessment:	14.1901		UE	BC
Job is very or somewhat related to program	30	73%	1,249	70%
NOC Skill Level = A (University Education)*	32	84%	1,126	67%
*Of total valid responses				

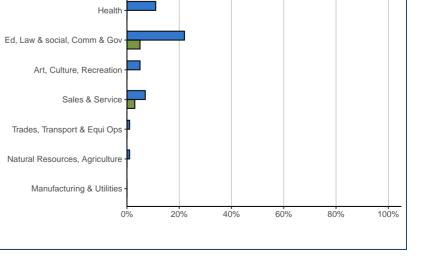
Gross Annual Income from Main Job:*	14.1	14.1901		BC
Less than \$20,000	~	~	112	8%
\$20,000 to \$39,999	0	0%	151	11%
\$40,000 to \$59,999	~	~	321	24%
\$60,000 to \$79,999	13	37%	326	24%
\$80,000 to \$99,999	11	31%	195	14%
\$100,000 and Above	6	17%	243	18%
Total	35	100%	1,348	100%
Median Annual Income (full-time) (\$)	80,000		70,000	
Average Annual Income (full-time) (\$)	90,325		79,724	
*Where data provided				





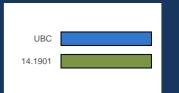


NOC Skill Type of Main Job:	14.1901 UBC		BC	
Business, finance & administration	1	3%	429	26%
Natural & applied sciences & related	34	89%	459	28%
Health	0	0%	183	11%
Education, law and social, community & government	2	5%	361	22%
Art, culture, recreation & sport	0	0%	87	5%
Sales & service	1	3%	118	7%
Trades, transport & equipment operators & related	0	0%	11	1%
Natural resources, agriculture & related production	0	0%	13	1%
Manufacturing & utilities	0	0%	8	0%
Total	38	100%	1,669	100%

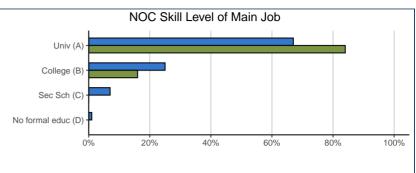


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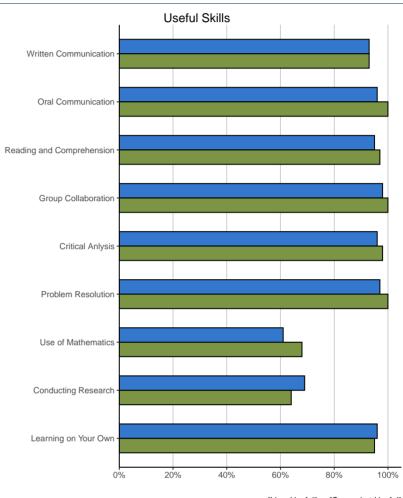


EMPLOYMENT, continued NOC Skill Level of Main Job: 14.1901 UBC A. University education 32 84% 1,126 67% B. College education/trade apprenticeship 6 16% 415 25% 7% C. Secondary school + job-specific training 0 0% 121 0 D. No formal education 0% 14 1% 100% Total 38 1,676 100%



	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	76%	17%	7%	0%	41	
Oral Communication	90%	10%	0%	0%	41	
Reading and Comprehension	73%	24%	2%	0%	41	
Group Collaboration	90%	10%	0%	0%	41	
Critical Anlysis	88%	10%	0%	2%	41	
Problem Resolution	88%	12%	0%	0%	41	
Use of Mathematics	29%	39%	24%	7%	41	
Conducting Research	37%	27%	24%	12%	41	
Learning on Your Own	83%	12%	5%	0%	41	

	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	66%	27%	6%	2%	1,772	
Oral Communication	75%	21%	3%	1%	1,774	
Reading and Comprehension	70%	25%	4%	1%	1,772	
Group Collaboration	78%	20%	3%	0%	1,773	
Critical Anlysis	73%	23%	3%	1%	1,771	
Problem Resolution	77%	20%	2%	1%	1,766	
Use of Mathematics	24%	37%	24%	16%	1,739	
Conducting Research	36%	33%	19%	12%	1,744	
Learning on Your Own	69%	27%	3%	1%	1,771	



"Very Useful" or "Somewhat Useful"

Top 10 Full-t	ime Occupations of 14.1901 G	raduates:	14.1901
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2132	A	Mechanical engineers	54%
*			
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* Data not displayed where n < 5

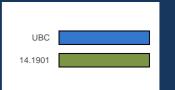
** Percentages cited are of those employed

NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
2173	A	Software engineers and designers	6%
XXXX	0	Unclassified occupations	4%
2174	A	Computer programmers and interactive media developers	3%
4112	A	Lawyers and Quebec notaries	3%
1123	A	Professional occupations in advertising, marketing and public relations	3%
4012	A	Post-secondary teaching and research assistants	2%
1112	A	Financial and investment analysts	2%
1111	A	Financial auditors and accountants	2%
3131	A	Pharmacists	2%
3012	А	Registered nurses and registered psychiatric nurses	2%
* Data wat diawl	er ve el viste e ve la E		

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** Percentages cited are of those employed



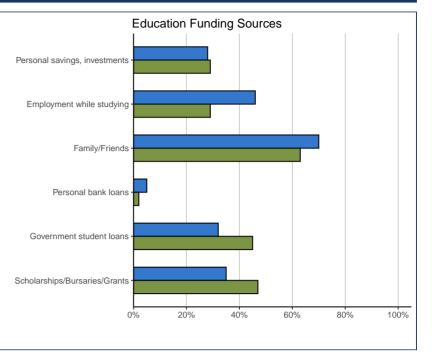


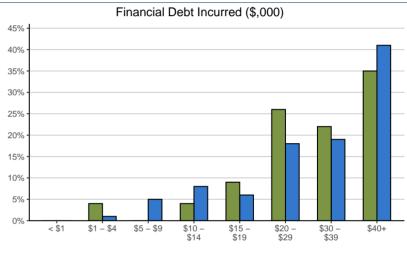
EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.	14.1901		вС
Personal savings, investments	14	29%	624	28%
Employment while studying	14	29%	1,016	46%
Family/Friends	31	63%	1,541	70%
Personal bank loans	1	2%	116	5%
Government student loans	22	45%	704	32%
Scholarships/Bursaries/Grants	23	47%	771	35%
Other	23	47%	506	23%
Total	49		2,213	
* Percentage of respondents who identified this source				

Financial Debt Incurred to Finance Bac. Ed.:*14.1901UBCIncurred any form of financial debt2653%91541%Incurred government–sponsored student loan debt2449%77735%* Percentage of respondents who provided data

Financial Debt Amount:*	14.1901		UBC	
< \$1,000	0	0%	1	0%
\$1,000 to \$4,999	1	4%	11	1%
\$5,000 to \$9,999	0	0%	41	5%
\$10,000 to \$14,999	1	4%	56	8%
\$15,000 to \$19,999	2	9%	47	6%
\$20,000 to \$29,999	6	26%	138	18%
\$30,000 to \$39,999	5	22%	143	19%
\$40,000 or More	8	35%	309	41%
Total	23	100%	746	100%
Median Financial Debt (\$)	30,000		33,000	
* Includes only cases where financial debt was incurred				

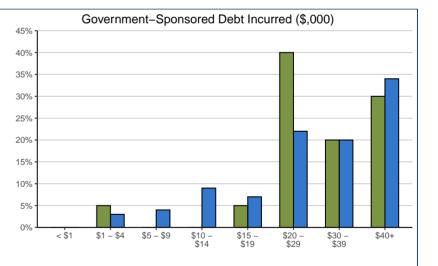




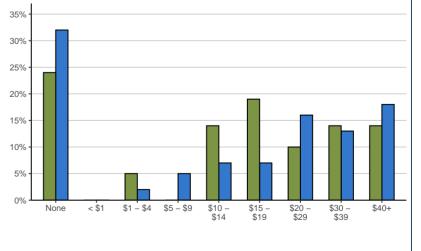
14.1	14.1901		UBC	
0	0%	1	0%	
1	5%	17	3%	
0	0%	25	4%	
0	0%	51	9%	
1	5%	43	7%	
8	40%	130	22%	
4	20%	119	20%	
6	30%	199	34%	
20	100%	585	100%	
27,500		30,000		
	0 1 0 1 1 8 4 6 20	0 0% 1 5% 0 0% 1 5% 0 0% 1 5% 1 5% 8 40% 4 20% 6 30% 20 100%	0 0% 1 1 5% 17 0 0% 25 0 0% 51 1 5% 43 1 5% 43 4 20% 119 6 30% 199 20 100% 585	

* Includes only cases where government-sponsored debt was incurred

Gov't-Sponsored Loan Debt Outstanding:*	14.1	1901	UBC	
None – Loan repaid in full	5	24%	206	32%
< \$1,000	0	0%	1	0%
\$1,000 to \$4,999	1	5%	15	2%
\$5,000 to \$9,999	0	0%	35	5%
\$10,000 to \$14,999	3	14%	42	7%
\$15,000 to \$19,999	4	19%	42	7%
\$20,000 to \$29,999	2	10%	103	16%
\$30,000 to \$39,999	3	14%	81	13%
\$40,000 or More	3	14%	119	18%
Total	21	100%	644	100%
Median Gov't-Sponsored Loan Debt Outstanding** (\$)	19,500		28,000	



Outstanding Government–Sponsored Debt (\$,000)



* 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