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

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

UBC	▇ (blue)
14.1901	▇ (green)

RESPONSE RATE

Survey Response Rate:	14.1901		UBC	
Baccalaureate Graduates Survey Cohort	109	100%	6,530	100%
Survey Respondents and Response Rate	28	26%	1,566	24%

Response Rate
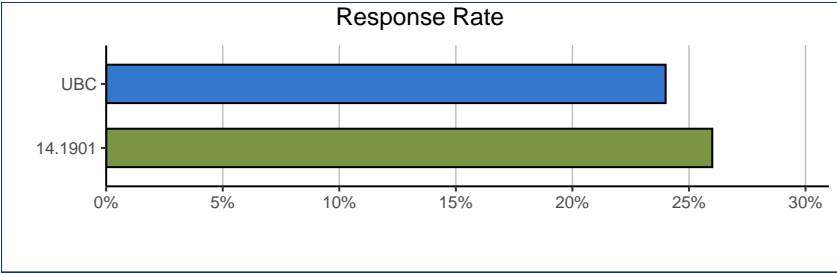
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	14.1901		UBC	
Disabled	~	~	209	14%
International	6	21%	318	20%
Indigenous	~	~	34	3%

Self–Reporting Subgroups

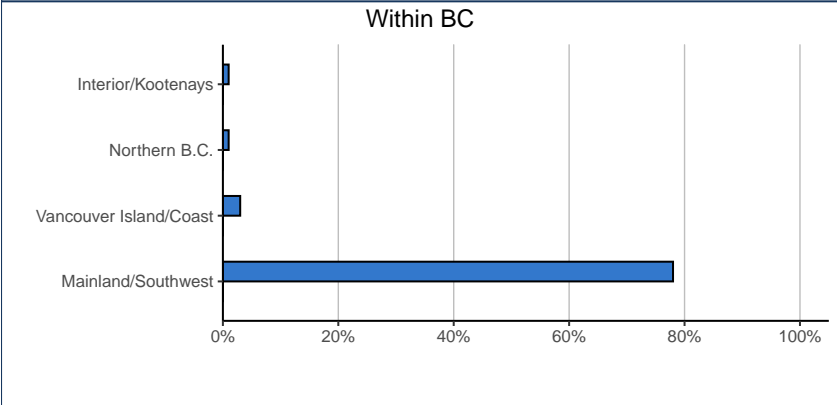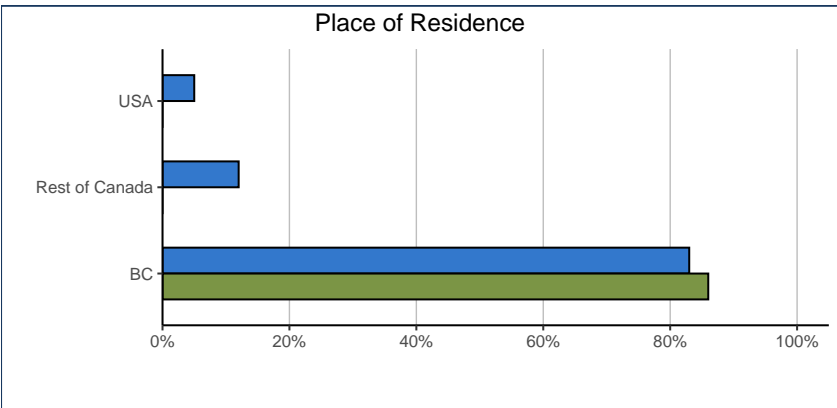| Gender:*	14.1901		UBC	
Man/Boy	~	~	744	48%
Woman/Girl	~	~	819	52%
Total	28	100%	1,563	100%

*Due to zero or low counts, institution–reported "Non–Binary" demographic data are not included
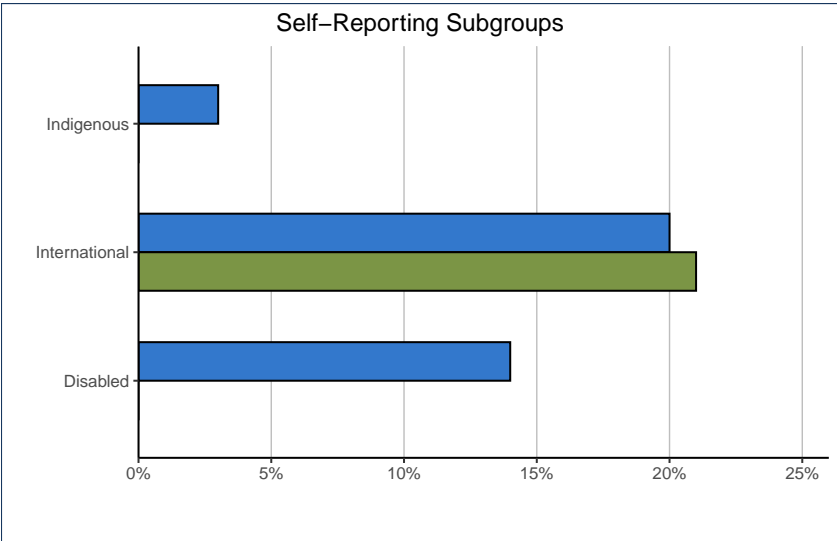
Age (at time of survey):	14.1901		UBC	
< 25	~	~	437	28%
25 to 29	19	68%	975	63%
30 to 34	~	~	92	6%
35 to 39	~	~	21	1%
40 to 49	0	0%	24	2%
50 to 64	0	0%	5	0%
> 64	0	0%	0	0%
Total	28	100%	1,554	100%
Median Age	25		25	
Average (mean) Age	27		26	

Age Distribution
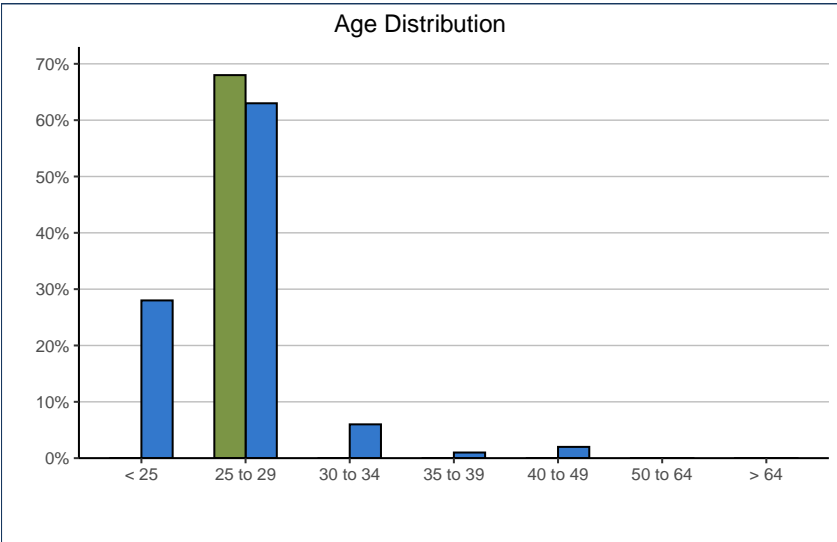
Place of Residence (at time of survey):	14.1901		UBC	
BC – Mainland/Southwest	~	~	1,085	78%
BC – Vancouver Island/Coast	~	~	36	3%
BC – Northern B.C.	0	0%	10	1%
BC – Interior/Kootenays	0	0%	20	1%
BC Subtotal	19	86%	1,151	83%
Canada – Alberta	~	~	57	4%
Canada – Ontario	0	0%	90	6%
Canada – Other	0	0%	31	2%
U.S.A.	~	~	65	5%
Non–BC Subtotal	~	~	243	17%
Total	22	100%	1,394	100%

Place of Residence

Within BC

BC Student Outcomes

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

UBC ▬
14.1901 ▬

EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.1901		UBC	
Very Satisfied	12	43%	444	29%
Satisfied	15	54%	976	63%
Dissatisfied	1	4%	110	7%
Very Dissatisfied	0	0%	21	1%
Total	28	100%	1,551	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.1901		UBC	
Very Useful	11	46%	415	36%
Somewhat Useful	10	42%	573	50%
Not Very Useful	3	13%	132	11%
Not at All Useful	0	0%	33	3%
Total	24	100%	1,153	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.1901		UBC	
Yes	2	8%	73	5%
No	23	92%	1,468	95%

Would select the same program again:	14.1901		UBC	
Yes	16	67%	1,018	75%
No	8	33%	343	25%

Quality of Instruction:	14.1901		UBC	
Very Good	7	26%	470	30%
Good	19	70%	982	63%
Poor	1	4%	90	6%
Very Poor	0	0%	13	1%
Total	27	100%	1,555	100%

Comprehensiveness of Core Courses:	14.1901		UBC	
Very Good	13	46%	450	29%
Good	14	50%	910	59%
Poor	1	4%	150	10%
Very Poor	0	0%	21	1%
Total	28	100%	1,531	100%

Course Availability:	14.1901		UBC	
Encountered course availability problems	6	22%	704	46%

Financial Constraints:	14.1901		UBC	
Had to interrupt studies for financial reasons	1	4%	72	5%
Had to take program part–time for financial reasons	1	4%	115	7%

Program Satisfaction

Legend: ■ Very Satisfied ■ Satisfied

Program Quality

* "Very Good" or "Good"
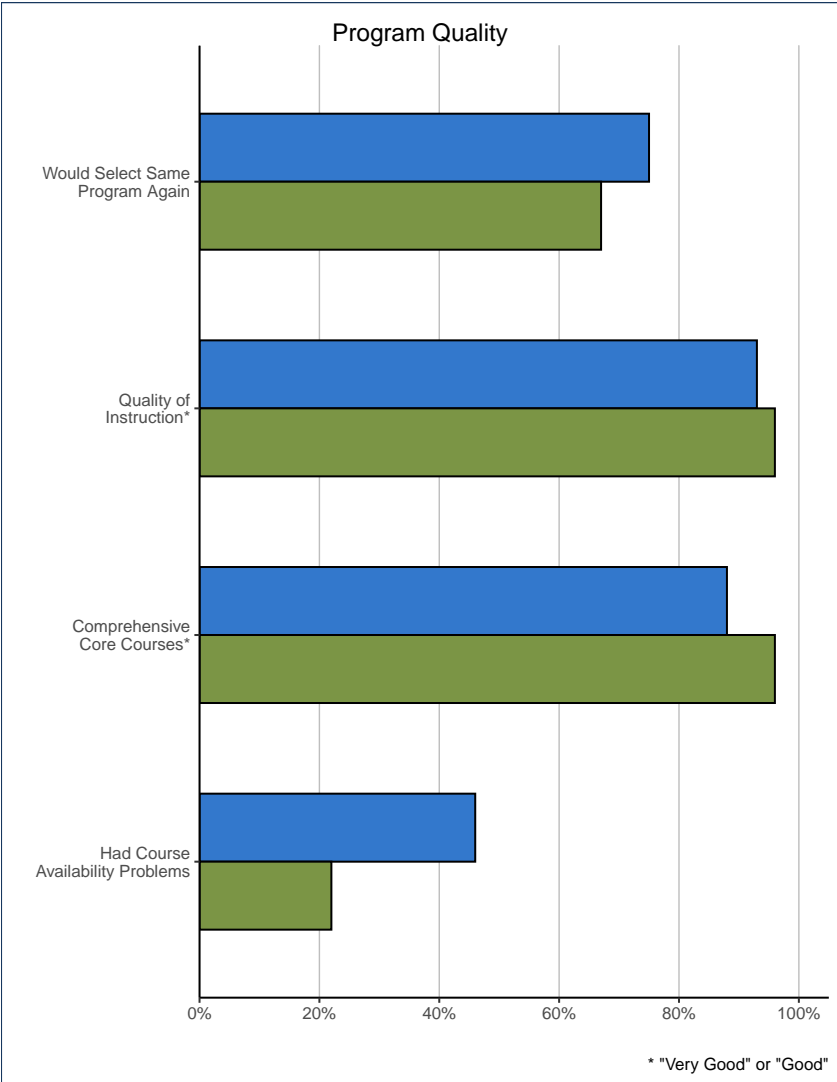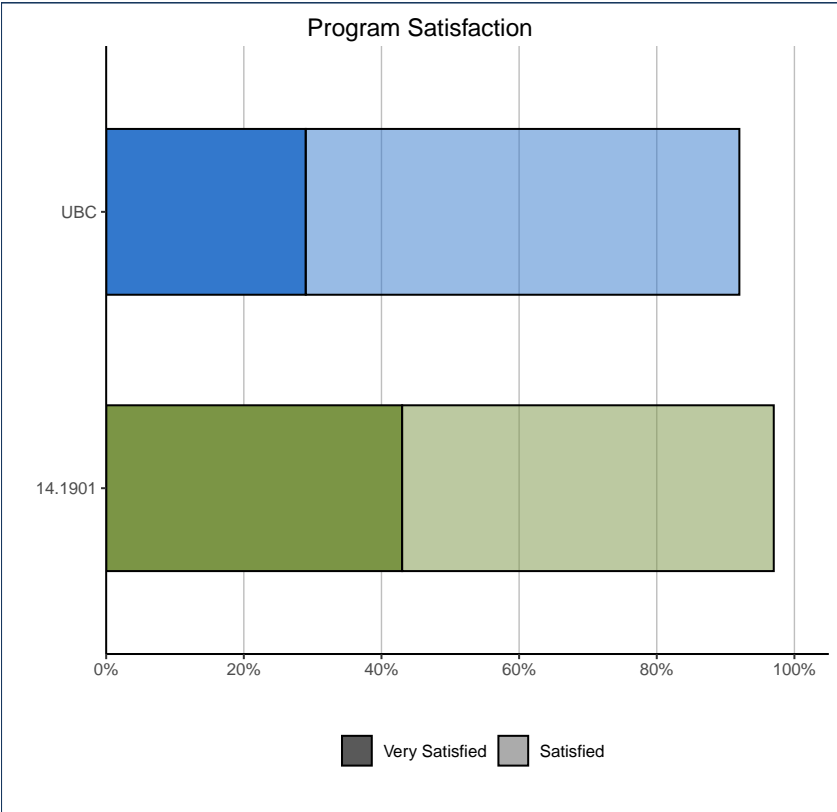
	UBC
14.1901	

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	14.1901				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	11%	64%	21%	4%	28
Oral Communication	19%	65%	8%	8%	26
Reading and Comprehension	22%	56%	19%	4%	27
Group Collaboration	43%	46%	7%	4%	28
Critical Anlysis	57%	39%	4%	0%	28
Problem Resolution	43%	54%	4%	0%	28
Use of Mathematics	50%	46%	4%	0%	28
Conducting Research	18%	57%	21%	4%	28
Learning on Your Own	54%	32%	11%	4%	28

Skill Development: How helpful was institution?	UBC				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	27%	56%	15%	2%	1,538
Oral Communication	25%	55%	18%	3%	1,534
Reading and Comprehension	36%	53%	10%	1%	1,539
Group Collaboration	30%	48%	18%	3%	1,541
Critical Anlysis	48%	44%	6%	1%	1,556
Problem Resolution	26%	54%	18%	2%	1,518
Use of Mathematics	23%	44%	25%	7%	1,198
Conducting Research	35%	45%	17%	3%	1,477
Learning on Your Own	43%	46%	9%	2%	1,540

Helpful with Skill Development

"Very Helpful" or "Helpful"
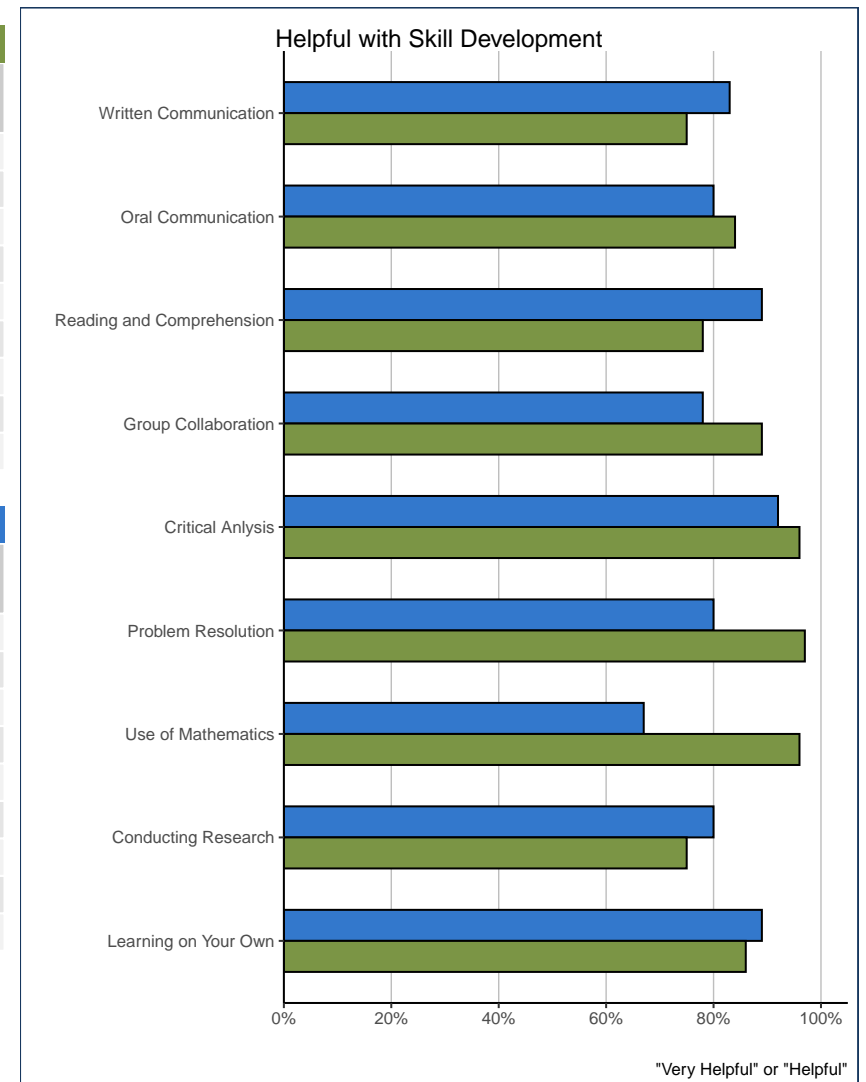
FURTHER EDUCATION

Took further education since 2022 graduation:	14.1901		UBC	
Yes	8	29%	760	49%
Not currently enrolled	3	11%	268	17%
Currently enrolled full–time	4	14%	419	27%
Currently enrolled part–time	1	4%	68	4%
No	20	71%	796	51%
Total	28	100%	1,556	100%

Have you taken further education since graduation?

Yes – Currently enrolled part–time   Yes – Currently enrolled full–time
Yes – Not currently enrolled   No
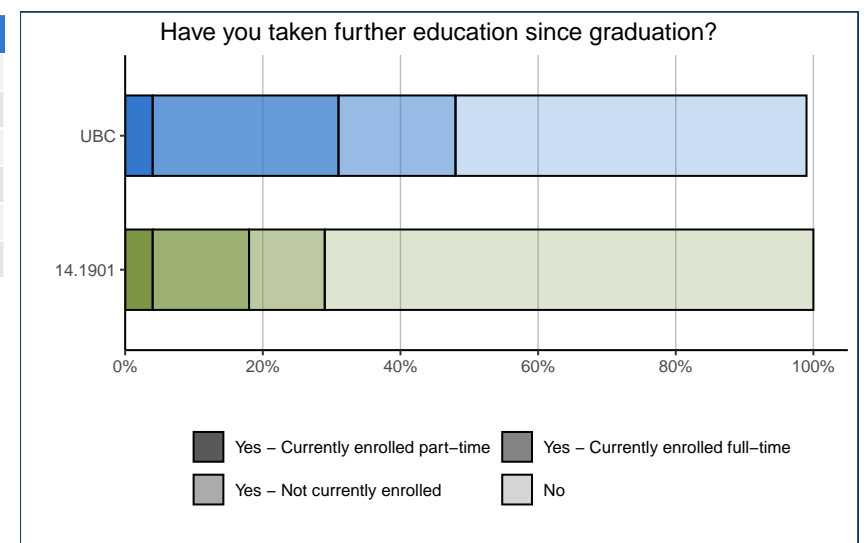
Type of Formal Post–Secondary Education:	14.1901		UBC	
Master's Degree	4	50%	323	43%
Doctoral Degree	2	25%	72	10%
Another Undergraduate Degree	0	0%	167	22%
Certificate or Diploma below Bachelor Level	1	13%	91	12%
Professional Association Certification	0	0%	44	6%
Postgraduate Certificate or Diploma	1	13%	36	5%
Other	0	0%	24	3%
Total	8	100%	757	100%

Further Education/Training Type

BC Student Outcomes

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

UBC
14.1901
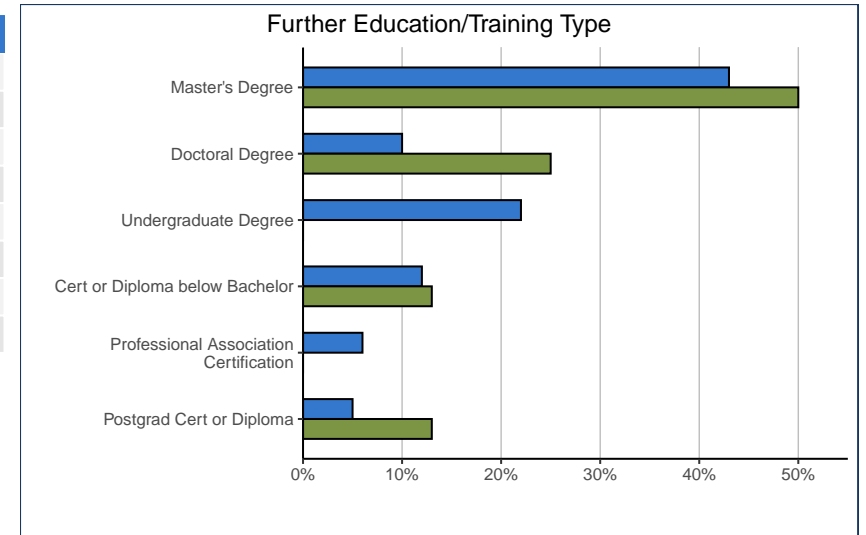
EMPLOYMENT

Labour Fource Status:	14.1901		UBC	
In Labour Force (working or seeking work)	25	93%	1,299	85%
Not in Labour Force	2	7%	225	15%
Total	27	100%	1,524	100%

Employment:	14.1901		UBC	
Employment Rate*	24	86%	1,165	74%
Unemployment Rate**	1	4.0%	134	10.3%

*Percent = Total employed divided by total number of respondents
**Percent = Total unemployed divided by total number in labour force
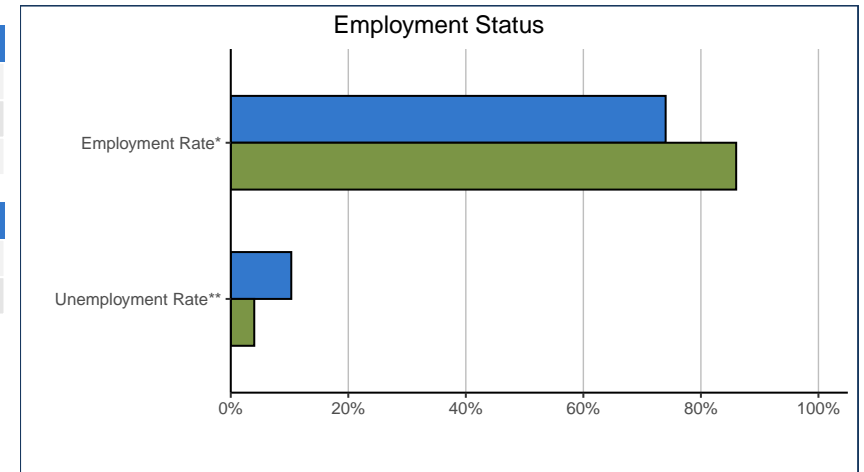
Employment Status

Status of Graduates NOT in Labour Force:	14.1901		UBC	
Attending School FT	1	50%	179	80%
Attending School PT	0	0%	7	3%
Other	1	50%	39	17%
Total NOT in Labour Force	2	100%	225	100%

Primary Employment Type:	14.1901		UBC	
Paid Worker	22	92%	1,072	92%
Self–Employed	2	8%	93	8%
Total	24	100%	1,165	100%

Job Characteristics:	14.1901		UBC	
I hold more than one job*	3	13%	175	15%
My main job is full–time (>= 30 hours per week)**	23	100%	941	86%

*Of total employed
**Of those who provided data on hours/week worked

"Under–Employment" Assessment
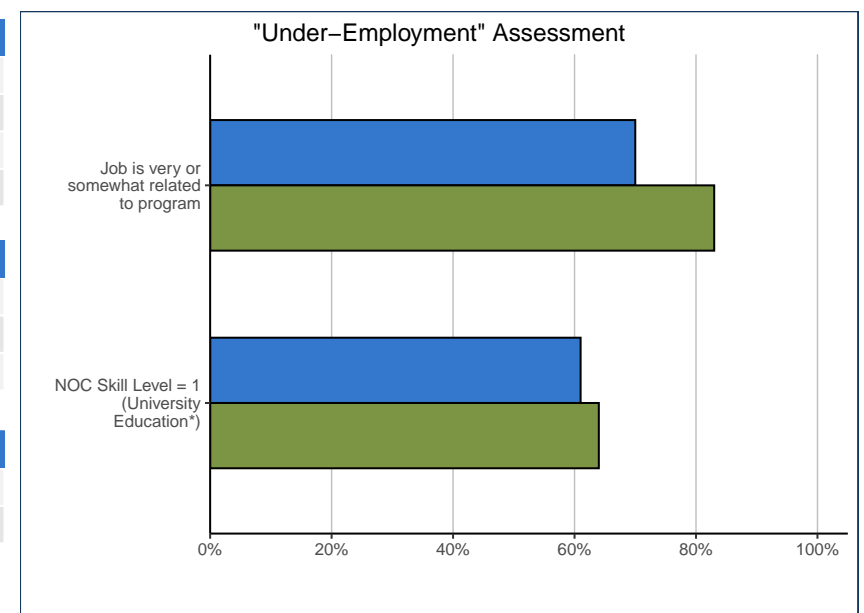
How related is your main job to your program?	14.1901		UBC	
Very Related	11	46%	457	39%
Somewhat Related	9	38%	361	31%
Not Very Related	2	8%	168	14%
Not at All Related	2	8%	175	15%
Total	24	100%	1,161	100%

"Under–Employment" Assessment:	14.1901		UBC	
Job is very or somewhat related to program	20	83%	818	70%
NOC Skill Level = 1 (University Education)*	14	64%	672	61%

*Of total valid responses; NOC 2021 (TEER)

Gross Annual Income from Main Job:*	14.1901		UBC	
Less than $20,000	0	0%	64	7%
$20,000 to $39,999	~	~	93	11%
$40,000 to $59,999	~	~	172	19%
$60,000 to $79,999	7	39%	209	24%
$80,000 to $99,999	6	33%	137	15%
$100,000 and Above	~	~	209	24%
Total	18	100%	884	100%
Median Annual Income (full–time) ($)	78,450		75,000	
Average Annual Income (full–time) ($)	80,146		87,000	

*Where data provided

Gross Annual FT Income From Main Job ($,000)
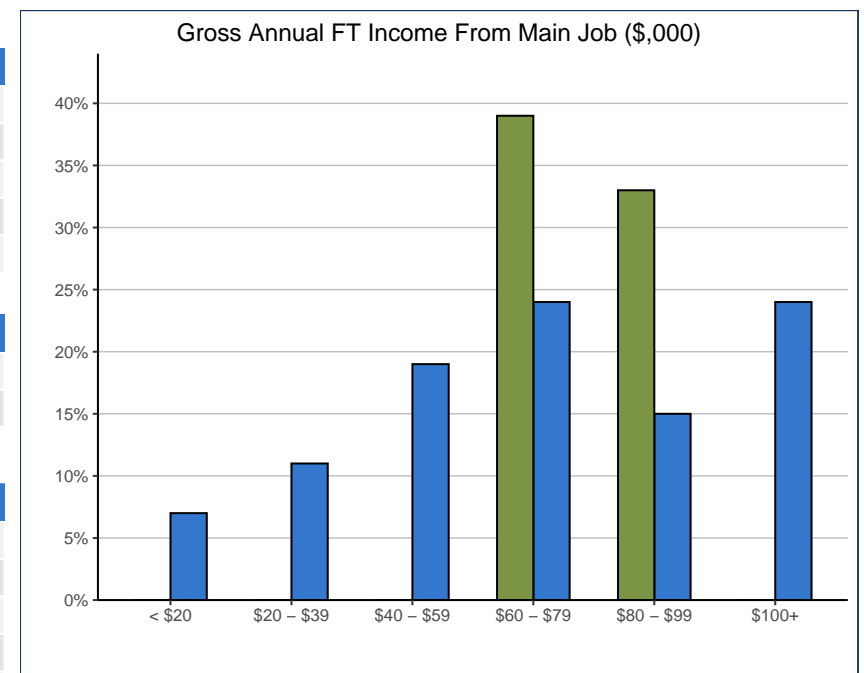
NOC Skill Type of Main Job (NOC 2021):	14.1901		UBC	
Legislative and senior management	0	0%	16	1%
Business, finance & administration	0	0%	234	21%
Natural & applied sciences & related	17	77%	323	29%
Health	0	0%	97	9%
Education, law and social, community & government	1	5%	250	23%
Art, culture, recreation & sport	0	0%	56	5%
Sales & service	1	5%	96	9%
Trades, transport & equipment operators & related	3	14%	24	2%
Natural resources, agriculture & related production	0	0%	9	1%
Manufacturing & utilities	0	0%	3	0%
Total	22	100%	1,108	100%

Employed Graduates by NOC Skill Type

BC Student Outcomes

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University of British Columbia
14.1901: Mechanical engineering

UBC
14.1901
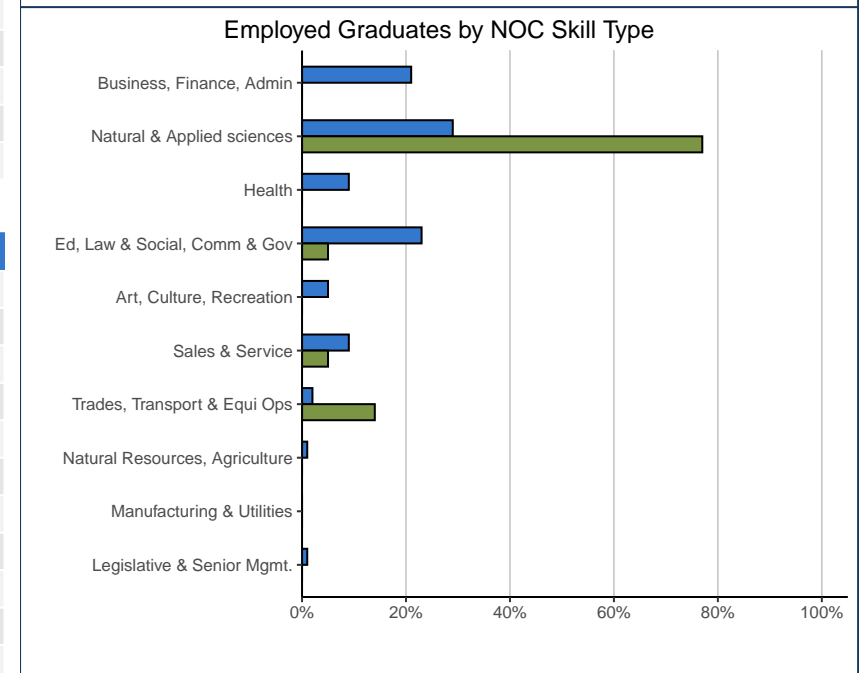
EMPLOYMENT, continued

NOC Skill Level of Main Job (NOC 2021 (TEER)):	14.1901		UBC	
0. Management	4	18%	88	8%
1. University education	14	64%	672	61%
2. College education/trade apprenticeship (2+ years)	3	14%	139	13%
3. College education/trade apprenticeship (<2 years)	0	0%	119	11%
4. Secondary school + job–specific training	1	5%	67	6%
5. No formal education	0	0%	23	2%
Total	22	100%	1,108	100%

NOC Skill Level of Main Job
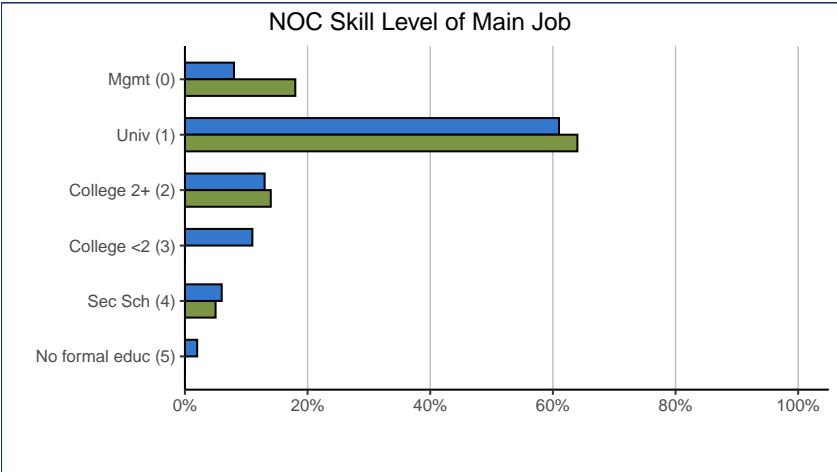
	14.1901				
How useful are the following skills and abilities in doing your main job?	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	79%	21%	0%	0%	24
Oral Communication	88%	13%	0%	0%	24
Reading and Comprehension	79%	21%	0%	0%	24
Group Collaboration	71%	29%	0%	0%	24
Critical Anlysis	88%	8%	4%	0%	24
Problem Resolution	75%	25%	0%	0%	24
Use of Mathematics	42%	33%	17%	8%	24
Conducting Research	54%	17%	21%	8%	24
Learning on Your Own	79%	13%	8%	0%	24

	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%	24%	5%	2%	1,156
Oral Communication	78%	19%	3%	1%	1,157
Reading and Comprehension	70%	26%	4%	1%	1,151
Group Collaboration	77%	20%	3%	1%	1,156
Critical Anlysis	75%	21%	4%	1%	1,155
Problem Resolution	80%	18%	2%	0%	1,155
Use of Mathematics	27%	34%	24%	15%	1,120
Conducting Research	40%	30%	19%	11%	1,129
Learning on Your Own	70%	26%	4%	1%	1,151

Useful Skills

"Very Useful" or "Somewhat Useful"

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	33%
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* Data not displayed where n < 5; NOC 2021
** Percentages cited are of those employed

Top 10 Full–Time Occupations of UBC Graduates*:			UBC
NOC_2021	NOC Skill Level	Description	% Employed FT in this Occ.**
21231	1	Software engineers and designers	7%
41101	1	Lawyers and Quebec notaries	3%
21232	1	Software developers and programmers	3%
11202	1	Professional occupations in advertising, marketing and public relations	3%
13100	3	Administrative officers	2%
21300	1	Civil engineers	2%
XXXXX	X	Unclassified occupations	2%
41201	1	Post–secondary teaching and research assistants	2%
11101	1	Financial and investment analysts	2%
21310	1	Electrical and electronics engineers	2%

* Data not displayed where n < 5; NOC 2021
** Percentages cited are of those employed

BC Student Outcomes

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.1901		UBC	
Personal savings, investments	9	32%	434	28%
Employment while studying	7	25%	647	42%
Family/Friends	19	68%	1,106	72%
Personal bank loans	0	0%	63	4%
Government student loans	12	43%	462	30%
Scholarships/Bursaries/Grants	12	43%	531	35%
Other	12	43%	362	24%
Total	28		1,531	

* Percentage of respondents who identified this source

Education Funding Sources

Financial Debt Incurred to Finance Bac. Ed.:*	14.1901		UBC	
Incurred any form of financial debt	14	50%	577	38%
Incurred government–sponsored student loan debt	13	46%	505	33%

* Percentage of respondents who provided data

Financial Debt Amount:*	14.1901		UBC	
< $1,000	0	0%	2	0%
$1,000 to $4,999	0	0%	20	4%
$5,000 to $9,999	0	0%	30	6%
$10,000 to $14,999	1	7%	47	10%
$15,000 to $19,999	0	0%	27	6%
$20,000 to $29,999	1	7%	85	18%
$30,000 to $39,999	3	21%	80	17%
$40,000 or More	9	64%	175	38%
Total	14	100%	466	100%
Median Financial Debt ($)	40,000		30,000	

* Includes only cases where financial debt was incurred

Financial Debt Incurred ($,000)

Gov't–Sponsored Student Loan Debt Amount:*	14.1901		UBC	
< $1,000	0	0%	3	1%
$1,000 to $4,999	0	0%	15	4%
$5,000 to $9,999	0	0%	28	8%
$10,000 to $14,999	0	0%	38	11%
$15,000 to $19,999	0	0%	20	6%
$20,000 to $29,999	2	22%	67	19%
$30,000 to $39,999	3	33%	74	20%
$40,000 or More	4	44%	116	32%
Total	9	100%	361	100%
Median Gov't–Sponsored Loan Debt ($)	35,000		30,000	

* Includes only cases where government–sponsored debt was incurred

Government–Sponsored Debt Incurred ($,000)

Gov't–Sponsored Loan Debt Outstanding:*	14.1901		UBC	
None – Loan repaid in full	1	8%	84	21%
< $1,000	0	0%	2	1%
$1,000 to $4,999	0	0%	12	3%
$5,000 to $9,999	0	0%	30	8%
$10,000 to $14,999	1	8%	28	7%
$15,000 to $19,999	1	8%	32	8%
$20,000 to $29,999	4	33%	66	17%
$30,000 to $39,999	0	0%	61	15%
$40,000 or More	5	42%	79	20%
Total	12	100%	394	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	29,000		26,000	

* 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

Outstanding Government–Sponsored Debt ($,000)