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

BCStudent Outcomes
Shaping Post-Secondary Education

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

UBC	▬
14.1001	▬

RESPONSE RATE

Survey Response Rate:	14.1001		UBC	
Baccalaureate Graduates Survey Cohort	134	100%	6,879	100%
Survey Respondents and Response Rate	53	40%	2,273	33%

Response Rate
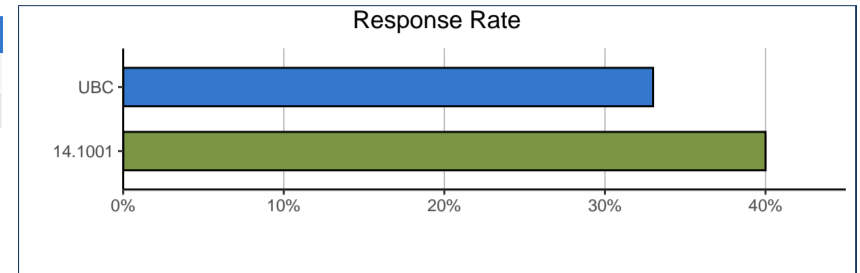
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	14.1001		UBC	
Disabled	~	~	292	14%
International	18	34%	459	20%
Aboriginal	0	0%	41	2%
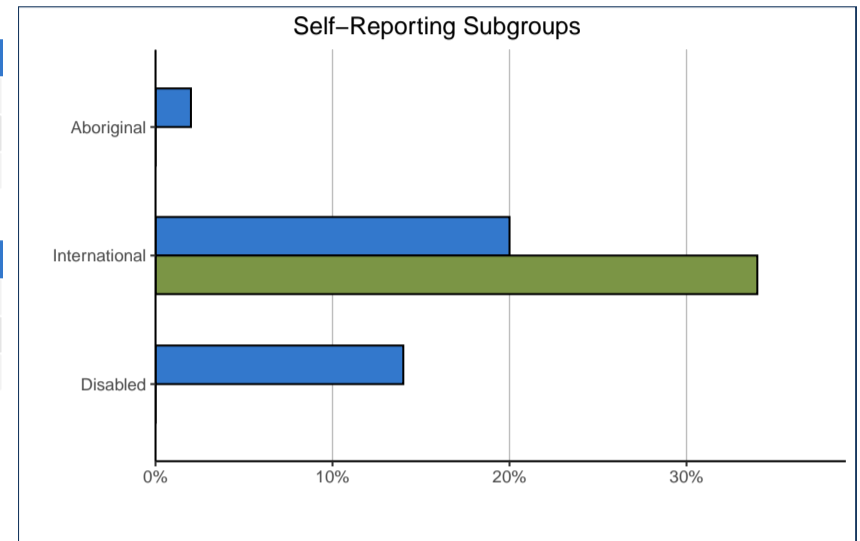
Gender:*	14.1001		UBC	
Male	43	81%	953	42%
Female	10	19%	1,320	58%
Total	53	100%	2,273	100%

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

Self–Reporting Subgroups

Age (at time of survey):	14.1001		UBC	
< 25	~	~	520	23%
25 to 29	44	83%	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	53	100%	2,269	100%
Median Age	25		25	
Average (mean) Age	26		26	

Age Distribution
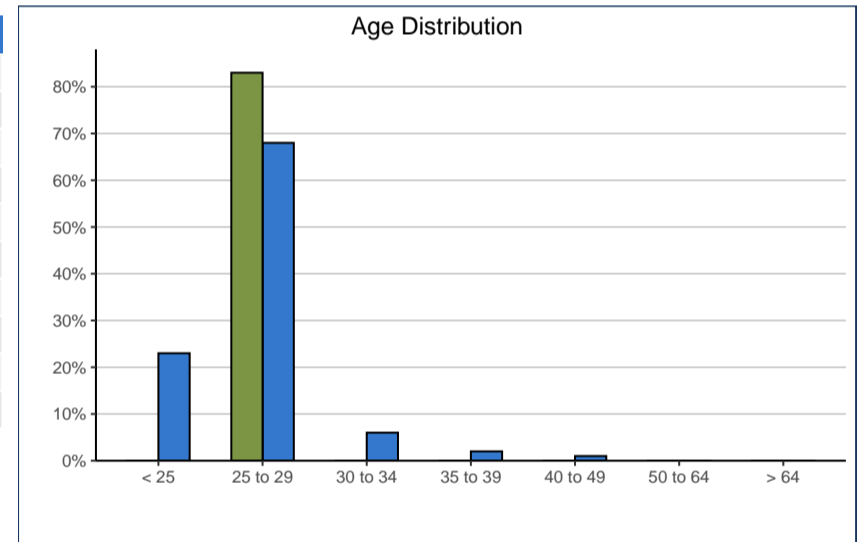
Place of Residence (at time of survey):	14.1001		UBC	
BC – Mainland/Southwest	~	~	1,615	81%
BC – Vancouver Island/Coast	0	0%	50	3%
BC – Northern B.C.	~	~	12	1%
BC – Interior/Kootenays	0	0%	48	2%
BC Subtotal	36	77%	1,725	86%
Canada – Alberta	~	~	77	4%
Canada – Ontario	6	13%	112	6%
Canada – Other	~	~	42	2%
U.S.A.	~	~	42	2%
Non–BC Subtotal	11	23%	273	14%
Total	47	100%	1,998	100%

Place of Residence

Within BC

BCStudent Outcomes
Shaping Post-Secondary Education

UBC	
14.1001	
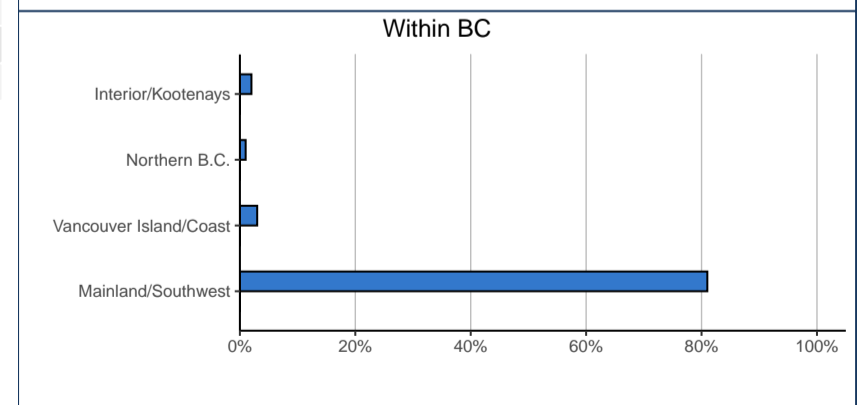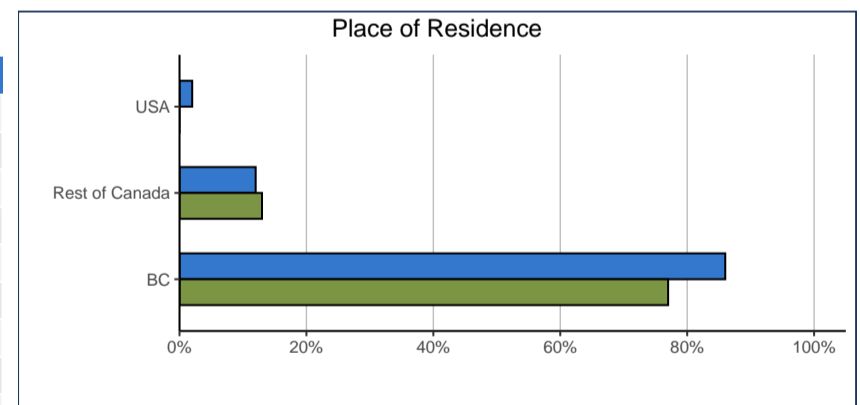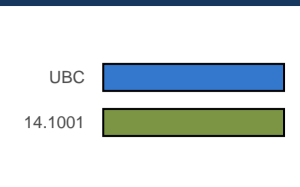
EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.1001		UBC	
Very Satisfied	7	13%	490	22%
Satisfied	36	68%	1,486	66%
Dissatisfied	9	17%	221	10%
Very Dissatisfied	1	2%	44	2%
Total	53	100%	2,241	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.1001		UBC	
Very Useful	10	22%	548	31%
Somewhat Useful	31	69%	924	52%
Not Very Useful	4	9%	242	14%
Not at All Useful	0	0%	60	3%
Total	45	100%	1,774	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.1001		UBC	
Yes	7	13%	127	6%
No	46	87%	2,107	94%
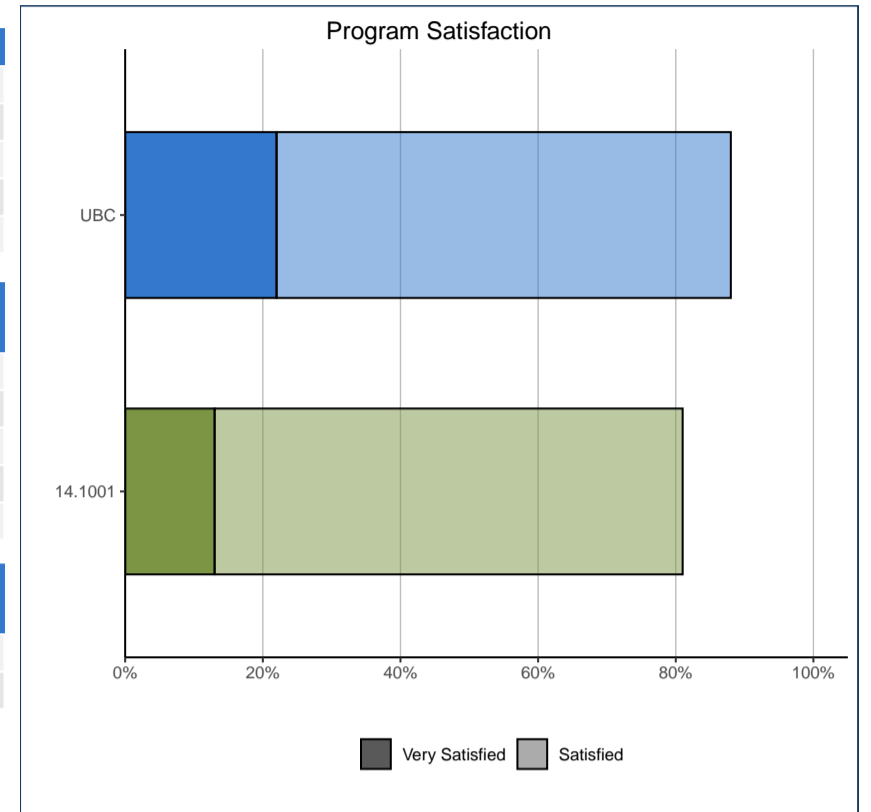
Would select the same program again:	14.1001		UBC	
Yes	28	61%	1,303	67%
No	18	39%	656	33%

Quality of Instruction:	14.1001		UBC	
Very Good	5	9%	588	26%
Good	33	62%	1,467	65%
Poor	13	25%	172	8%
Very Poor	2	4%	30	1%
Total	53	100%	2,257	100%

Comprehensiveness of Core Courses:	14.1001		UBC	
Very Good	5	9%	535	24%
Good	35	66%	1,356	61%
Poor	12	23%	287	13%
Very Poor	1	2%	45	2%
Total	53	100%	2,223	100%

Course Availability:	14.1001		UBC	
Encountered course availability problems	20	38%	1,043	47%

Financial Constraints:	14.1001		UBC	
Had to interrupt studies for financial reasons	3	6%	155	7%
Had to take program part–time for financial reasons	3	6%	224	10%
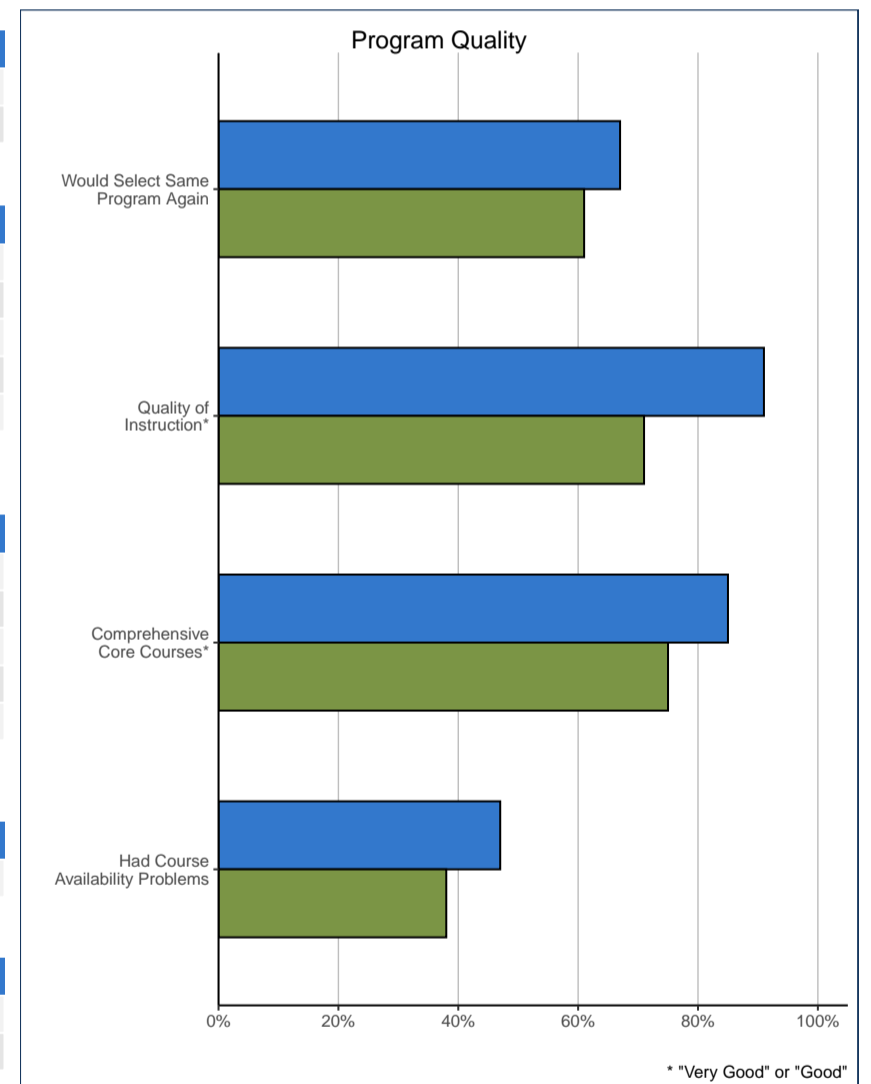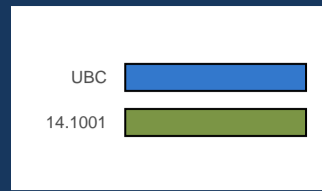
Program Satisfaction

Legend: Very Satisfied, Satisfied

Program Quality

Would Select Same Program Again
Quality of Instruction*
Comprehensive Core Courses*
Had Course Availability Problems

* "Very Good" or "Good"

BCStudent Outcomes
Shaping Post-Secondary Education

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

UBC
14.1001

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	14.1001				
	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	10%	47%	33%	10%	51
Oral Communication	14%	51%	27%	8%	51
Reading and Comprehension	18%	71%	8%	4%	51
Group Collaboration	40%	52%	8%	0%	52
Critical Anlysis	48%	44%	8%	0%	52
Problem Resolution	38%	52%	8%	2%	52
Use of Mathematics	36%	55%	9%	0%	53
Conducting Research	22%	39%	31%	8%	49
Learning on Your Own	55%	31%	12%	2%	51

Skill Development: How helpful was institution?	UBC				
	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

Helpful with Skill Development
"Very Helpful" or "Helpful"
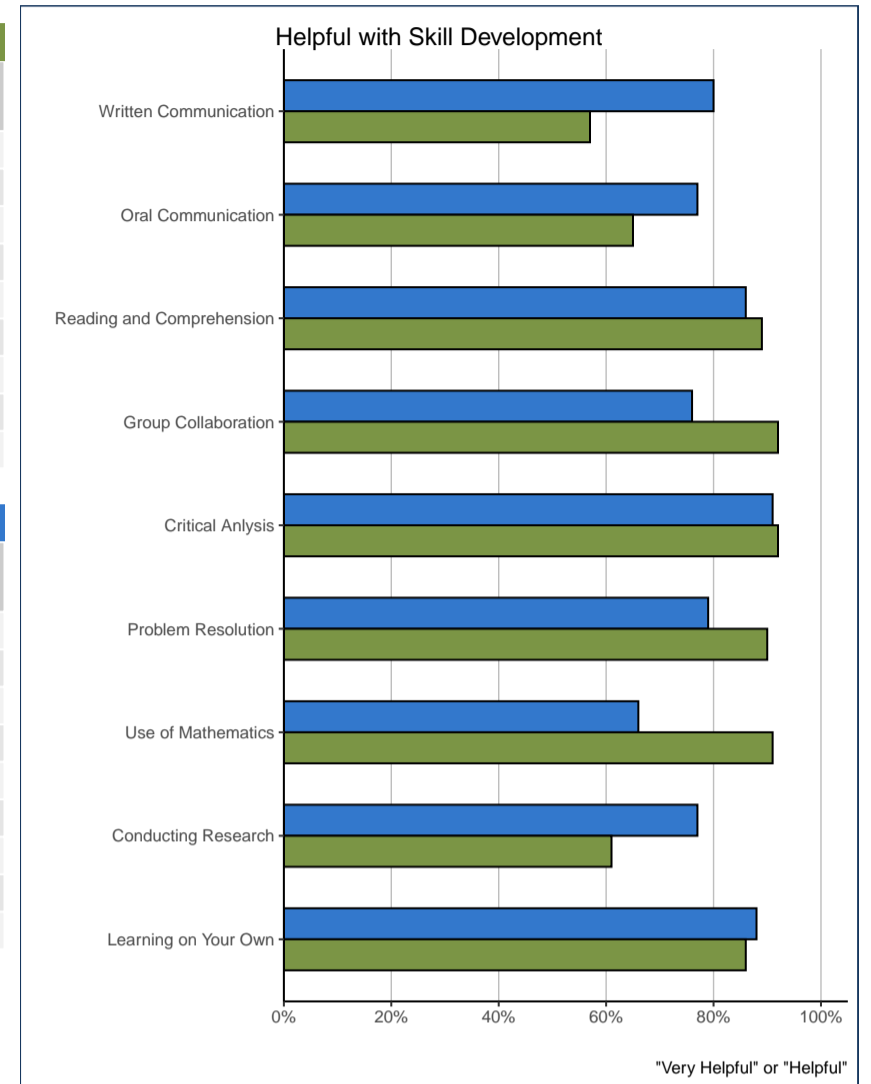
FURTHER EDUCATION

Took further education since 2020 graduation:	14.1001		UBC	
Yes	16	31%	1,119	49%
Not currently enrolled	9	17%	454	20%
Currently enrolled full–time	6	12%	559	25%
Currently enrolled part–time	1	2%	99	4%
No	36	69%	1,144	51%
Total	52	100%	2,263	100%

Have you taken further education since graduation?
- Yes – Currently enrolled part–time
- Yes – Currently enrolled full–time
- Yes – Not currently enrolled
- No
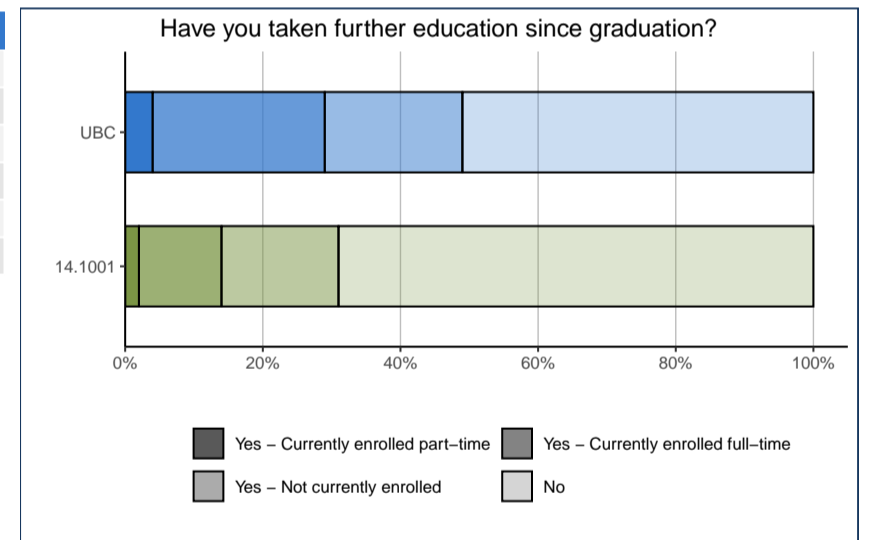
Type of Formal Post–Secondary Education:	14.1001		UBC	
Masters Degree	12	75%	467	42%
Doctoral Degree	1	6%	82	7%
Another Undergraduate Degree	2	13%	213	19%
Certificate or Diploma below Bachelor level	1	6%	133	12%
Professional Association Certification	0	0%	86	8%
Postgraduate Certificate or Diploma	0	0%	77	7%
Other	0	0%	52	5%
Total	16	100%	1,110	100%

Further Education/Training Type

BCStudent Outcomes
Shaping Post-Secondary Education

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

UBC
14.1001
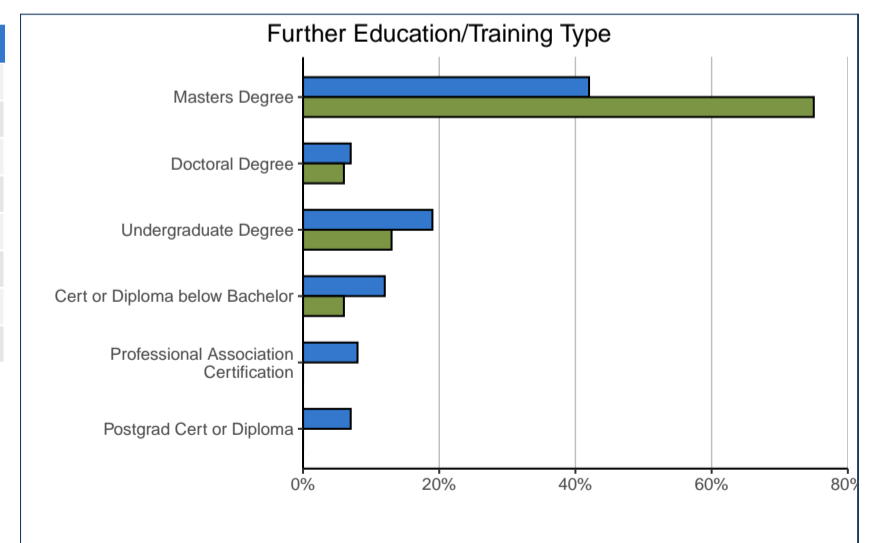
EMPLOYMENT

Labour Fource Status:	14.1001		UBC	
In Labour Force (working or seeking work)	47	89%	1,931	87%
Not in Labour Force	6	11%	296	13%
Total	53	100%	2,227	100%

Employment:	14.1001		UBC	
Employment Rate*	45	85%	1,788	79%
Unemployment Rate**	2	4.3%	143	7.4%

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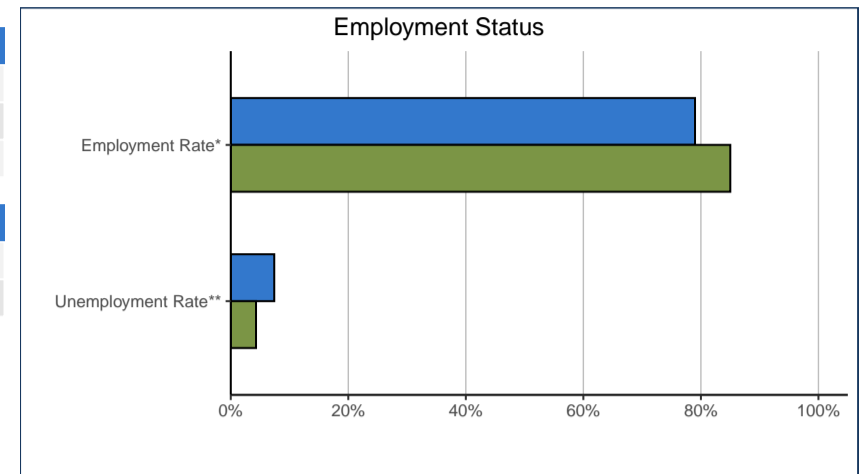
Employment Status

Status of Graduates NOT in Labour Force:	14.1001		UBC	
Attending School FT	4	67%	238	80%
Attending School PT	0	0%	2	1%
Other	2	33%	56	19%
Total NOT in Labour Force	6	100%	296	100%

Primary Employment Type:	14.1001		UBC	
Paid worker	42	93%	1,679	94%
Self–employed	3	7%	106	6%
Total	45	100%	1,785	100%

Job Characteristics:	14.1001		UBC	
I hold more than one job*	3	7%	300	17%
My main job is full–time (>= 30 hours per week)**	42	95%	1,465	86%

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

"Under–Employment" Assessment
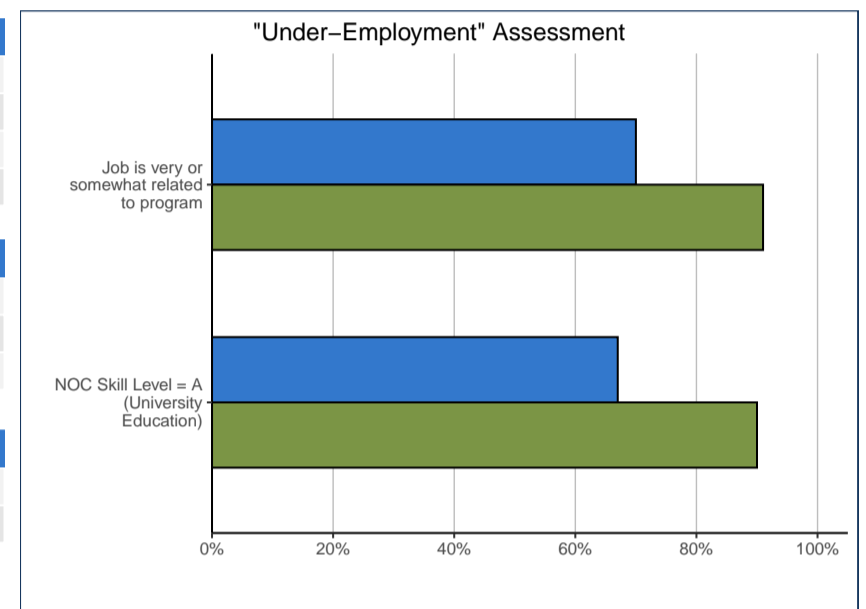
How related is your main job to your program?	14.1001		UBC	
Very Related	14	31%	628	35%
Somewhat Related	27	60%	621	35%
Not Very Related	4	9%	271	15%
Not at All Related	0	0%	264	15%
Total	45	100%	1,784	100%

"Under–employment" Assessment:	14.1001		UBC	
Job is very or somewhat related to program	41	91%	1,249	70%
NOC Skill Level = A (University Education)*	37	90%	1,126	67%

*Of total valid responses

Gross Annual Income from Main Job:*	14.1001		UBC	
Less than $20,000	0	0%	112	8%
$20,000 to $39,999	~	~	151	11%
$40,000 to $59,999	~	~	321	24%
$60,000 to $79,999	6	22%	326	24%
$80,000 to $99,999	6	22%	195	14%
$100,000 and Above	10	37%	243	18%
Total	27	100%	1,348	100%
Median Annual Income (full–time) ($)	85,000		70,000	
Average Annual Income (full–time) ($)	103,303		79,724	

*Where data provided

Gross Annual FT Income From Main Job ($,000)

NOC Skill Type of Main Job:	14.1001		UBC	
Business, finance & administration	3	8%	429	26%
Natural & applied sciences & related	35	88%	459	28%
Health	0	0%	183	11%
Education, law and social, community & government	1	3%	361	22%
Art, culture, recreation & sport	1	3%	87	5%
Sales & service	0	0%	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	40	100%	1,669	100%

Employed Graduates by NOC Skill Type

	UBC
14.1001	
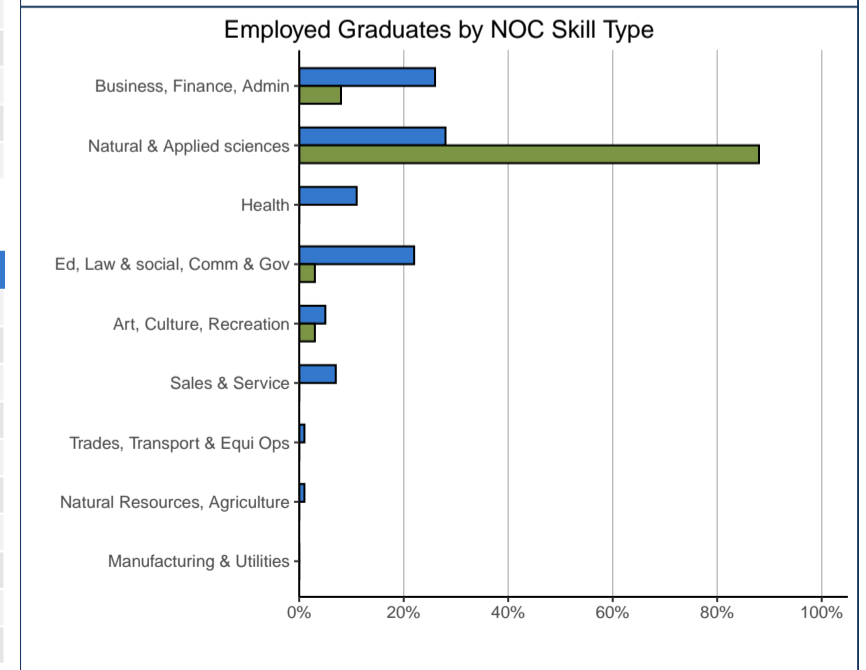
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.1001		UBC	
A. University education	37	90%	1,126	67%
B. College education/trade apprenticeship	4	10%	415	25%
C. Secondary school + job–specific training	0	0%	121	7%
D. No formal education	0	0%	14	1%
Total	41	100%	1,676	100%

NOC Skill Level of Main Job
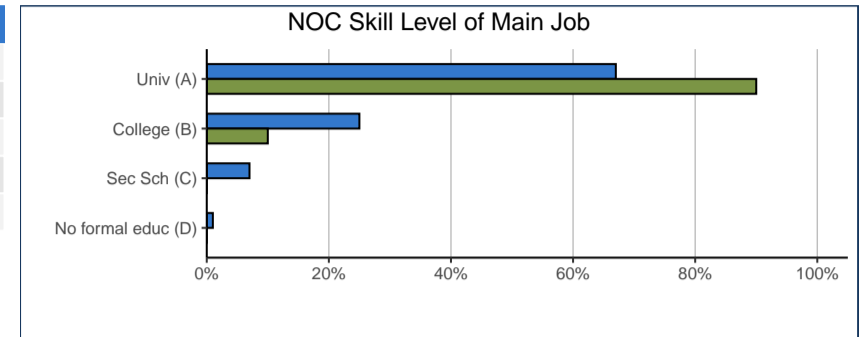
How useful are the following skills and abilities in doing your main job?	14.1001				
	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	64%	24%	11%	0%	45
Oral Communication	80%	13%	4%	2%	45
Reading and Comprehension	69%	24%	7%	0%	45
Group Collaboration	80%	18%	2%	0%	45
Critical Anlysis	73%	27%	0%	0%	45
Problem Resolution	87%	13%	0%	0%	45
Use of Mathematics	22%	56%	18%	4%	45
Conducting Research	33%	31%	36%	0%	45
Learning on Your Own	73%	24%	2%	0%	45
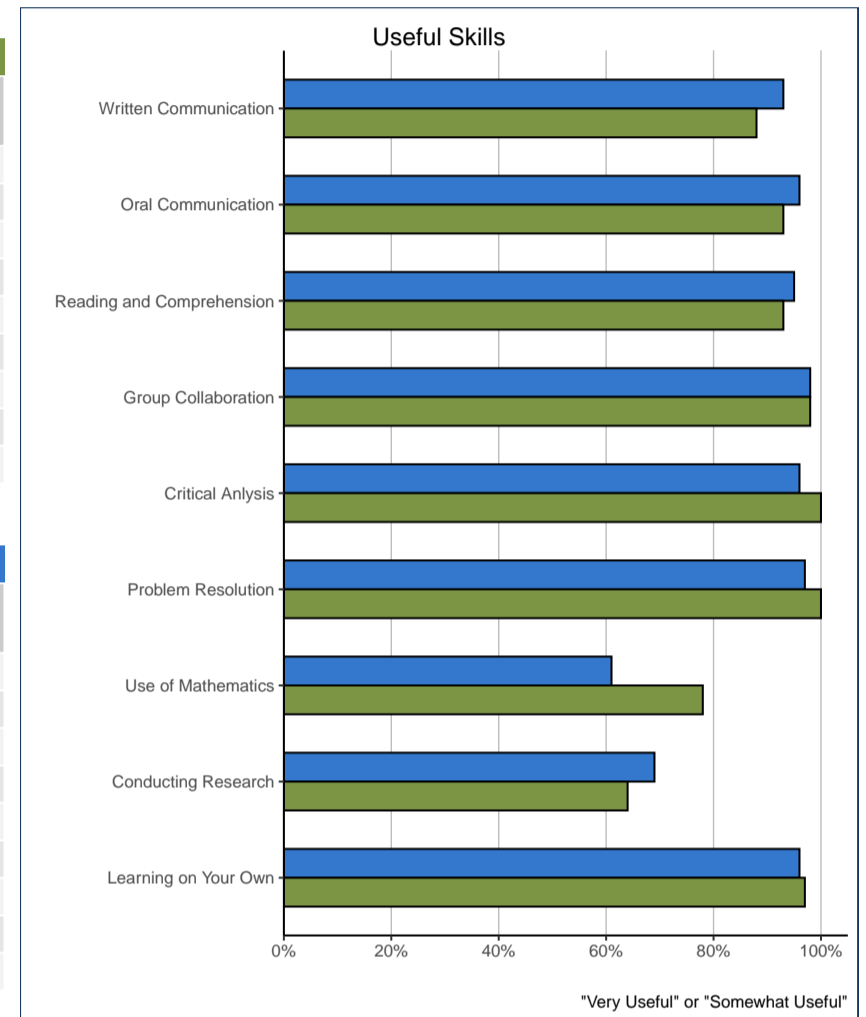
How useful are the following skills and abilities in doing your main job?	UBC				
	Very Useful	Somewhat Useful	Not Very Useful	Not at All Useful	# Resp.
Written Communication	66%	27%	6%	2%	1,772
Oral Communication	75%	21%	3%	1%	1,774
Reading and Comprehension	70%	25%	4%	1%	1,772
Group Collaboration	78%	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

Useful Skills

"Very Useful" or "Somewhat Useful"

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	27%
2173	A	Software engineers and designers	27%
*			
*			
*			
*			
*			
*			
*			
*			

* Data not displayed where n < 5
** 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	A	Software engineers and designers	6%
XXXX	O	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	A	Registered nurses and registered psychiatric nurses	2%

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

BCStudent
Outcomes
Shaping Post-Secondary Education

UBC	
14.1001	

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.1001		UBC	
Personal savings, investments	10	19%	624	28%
Employment while studying	16	31%	1,016	46%
Family/Friends	37	71%	1,541	70%
Personal bank loans	2	4%	116	5%
Government student loans	17	33%	704	32%
Scholarships/Bursaries/Grants	20	38%	771	35%
Other	26	50%	506	23%
Total	52		2,213	

* Percentage of respondents who identified this source

Education Funding Sources

Financial Debt Incurred to Finance Bac. Ed.:*	14.1001		UBC	
Incurred any form of financial debt	22	42%	915	41%
Incurred government–sponsored student loan debt	18	34%	777	35%

* Percentage of respondents who provided data

Financial Debt Amount:*	14.1001		UBC	
< $1,000	0	0%	1	0%
$1,000 to $4,999	0	0%	11	1%
$5,000 to $9,999	0	0%	41	5%
$10,000 to $14,999	0	0%	56	8%
$15,000 to $19,999	4	21%	47	6%
$20,000 to $29,999	2	11%	138	18%
$30,000 to $39,999	3	16%	143	19%
$40,000 or More	10	53%	309	41%
Total	19	100%	746	100%
Median Financial Debt ($)	40,000		33,000	

* Includes only cases where financial debt was incurred

Financial Debt Incurred ($,000)

Gov't–Sponsored Student Loan Debt Amount:*	14.1001		UBC	
< $1,000	0	0%	1	0%
$1,000 to $4,999	0	0%	17	3%
$5,000 to $9,999	0	0%	25	4%
$10,000 to $14,999	1	8%	51	9%
$15,000 to $19,999	2	15%	43	7%
$20,000 to $29,999	1	8%	130	22%
$30,000 to $39,999	3	23%	119	20%
$40,000 or More	6	46%	199	34%
Total	13	100%	585	100%
Median Gov't–Sponsored Loan Debt ($)	38,000		30,000	

* Includes only cases where government–sponsored debt was incurred

Government–Sponsored Debt Incurred ($,000)

Gov't–Sponsored Loan Debt Outstanding:*	14.1001		UBC	
None – Loan repaid in full	6	40%	206	32%
< $1,000	0	0%	1	0%
$1,000 to $4,999	0	0%	15	2%
$5,000 to $9,999	2	13%	35	5%
$10,000 to $14,999	0	0%	42	7%
$15,000 to $19,999	0	0%	42	7%
$20,000 to $29,999	2	13%	103	16%
$30,000 to $39,999	2	13%	81	13%
$40,000 or More	3	20%	119	18%
Total	15	100%	644	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	30,000		28,000	

* 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)