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

Detailed Summary of Survey Results
University of British Columbia
14.0101: Engineering, general

BCStudent Outcomes
Shaping Post-Secondary Education

UBC	
14.0101	

RESPONSE RATE

Survey Response Rate:	14.0101		UBC	
Baccalaureate Graduates Survey Cohort	48	100%	6,879	100%
Survey Respondents and Response Rate	20	42%	2,273	33%

Response Rate
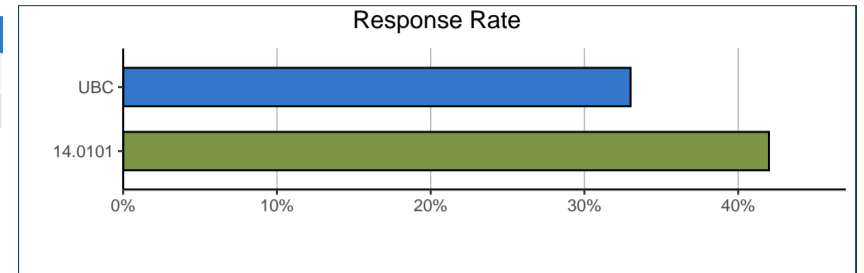
DEMOGRAPHIC INFORMATION

Self–Reporting Subgroups:	14.0101		UBC	
Disabled	0	0%	292	14%
International	~	~	459	20%
Aboriginal	0	0%	41	2%

Self–Reporting Subgroups
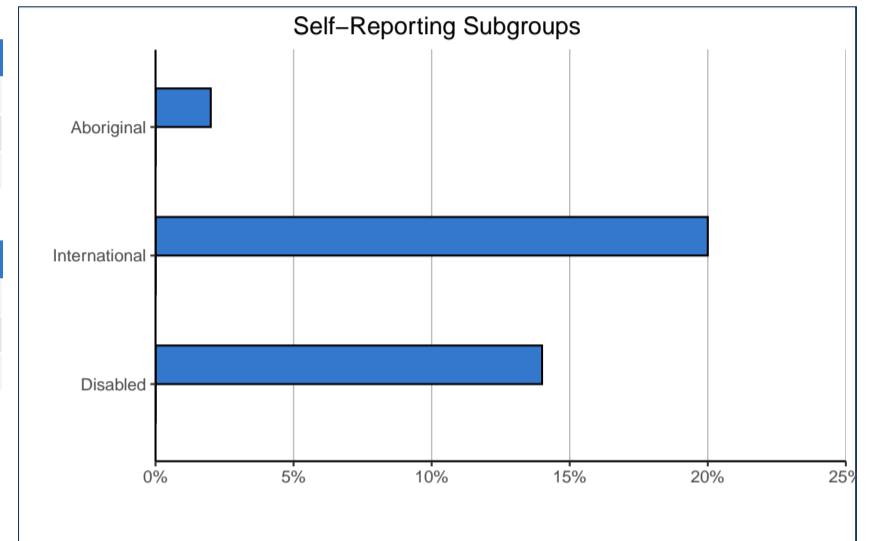
| Gender:*	14.0101		UBC	
Male	14	70%	953	42%
Female	6	30%	1,320	58%
Total	20	100%	2,273	100%

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

Age (at time of survey):	14.0101		UBC	
< 25	~	~	520	23%
25 to 29	~	~	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	20	100%	2,269	100%
Median Age	26		25	
Average (mean) Age	26		26	

Age Distribution
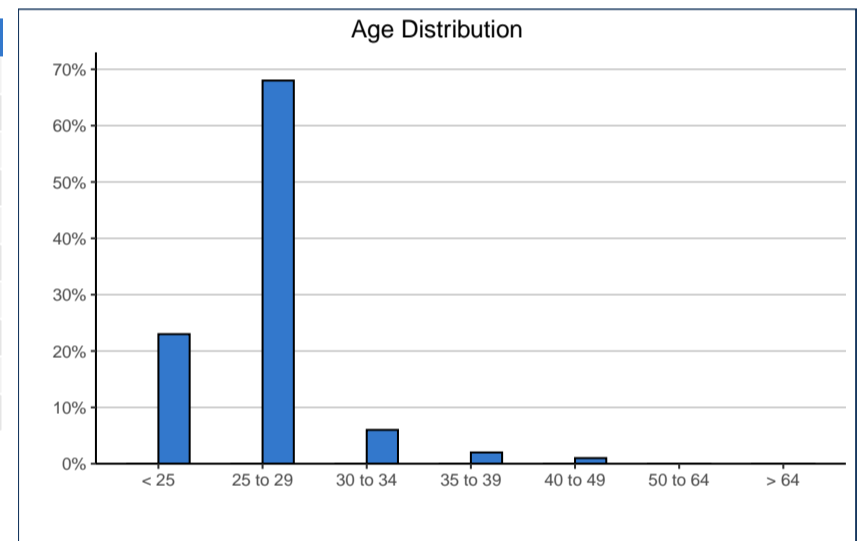
Place of Residence (at time of survey):	14.0101		UBC	
BC – Mainland/Southwest	13	81%	1,615	81%
BC – Vancouver Island/Coast	0	0%	50	3%
BC – Northern B.C.	0	0%	12	1%
BC – Interior/Kootenays	0	0%	48	2%
BC Subtotal	13	81%	1,725	86%
Canada – Alberta	0	0%	77	4%
Canada – Ontario	~	~	112	6%
Canada – Other	0	0%	42	2%
U.S.A.	~	~	42	2%
Non–BC Subtotal	~	~	273	14%
Total	16	100%	1,998	100%

Place of Residence

Within BC

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14.0101
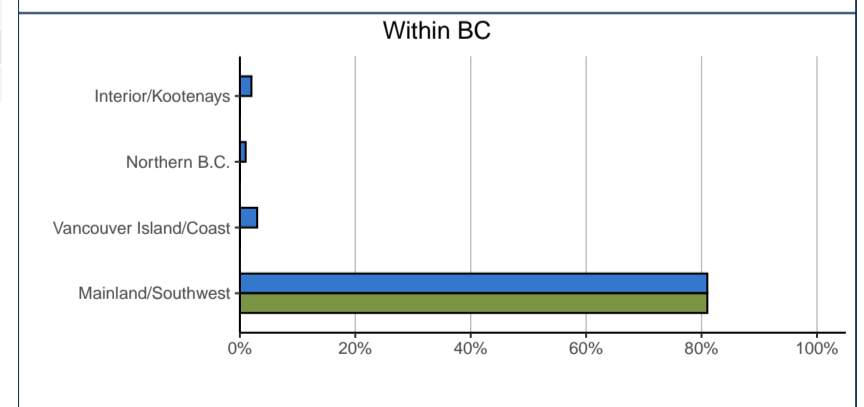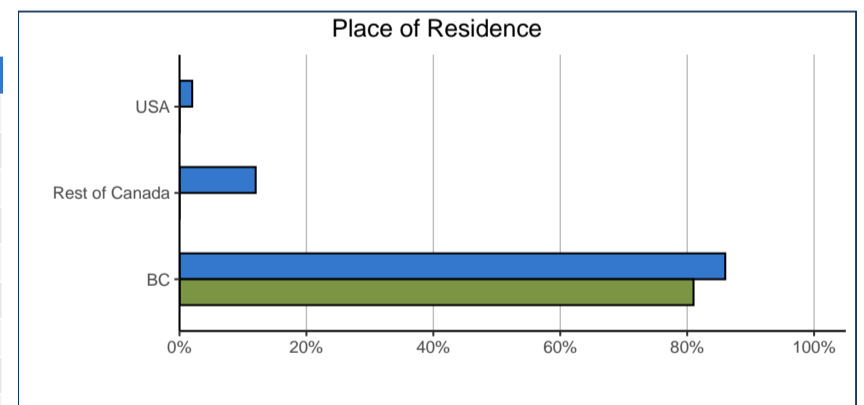
EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	14.0101		UBC	
Very Satisfied	6	30%	490	22%
Satisfied	11	55%	1,486	66%
Dissatisfied	3	15%	221	10%
Very Dissatisfied	0	0%	44	2%
Total	20	100%	2,241	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	14.0101		UBC	
Very Useful	4	24%	548	31%
Somewhat Useful	11	65%	924	52%
Not Very Useful	2	12%	242	14%
Not at All Useful	0	0%	60	3%
Total	17	100%	1,774	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	14.0101		UBC	
Yes	0	0%	127	6%
No	20	100%	2,107	94%
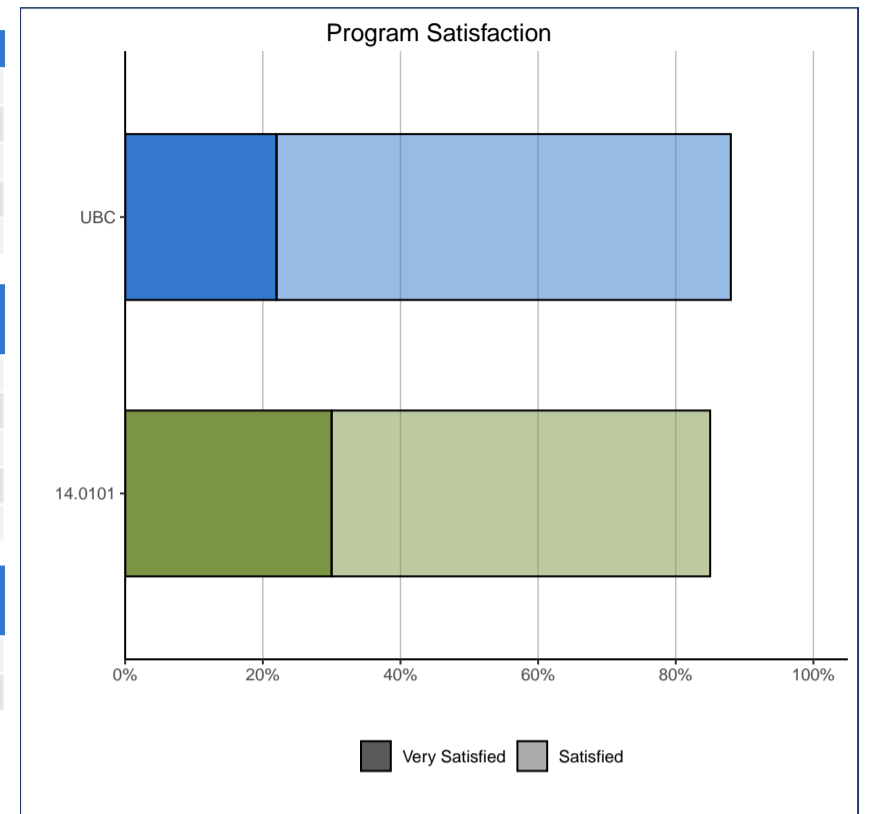
Would select the same program again:	14.0101		UBC	
Yes	12	67%	1,303	67%
No	6	33%	656	33%

Quality of Instruction:	14.0101		UBC	
Very Good	4	20%	588	26%
Good	13	65%	1,467	65%
Poor	3	15%	172	8%
Very Poor	0	0%	30	1%
Total	20	100%	2,257	100%
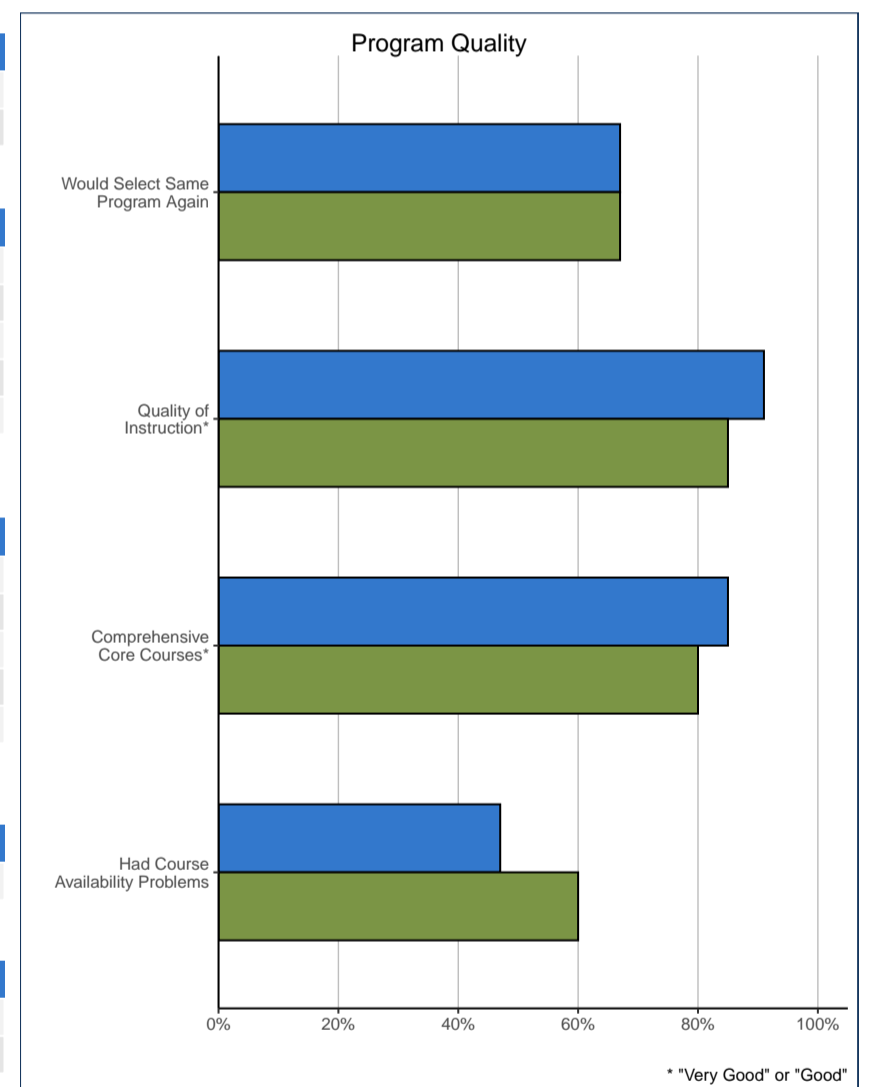
Comprehensiveness of Core Courses:	14.0101		UBC	
Very Good	7	35%	535	24%
Good	9	45%	1,356	61%
Poor	4	20%	287	13%
Very Poor	0	0%	45	2%
Total	20	100%	2,223	100%

Course Availability:	14.0101		UBC	
Encountered course availability problems	12	60%	1,043	47%

Financial Constraints:	14.0101		UBC	
Had to interrupt studies for financial reasons	1	5%	155	7%
Had to take program part–time for financial reasons	0	0%	224	10%

Program Satisfaction

Very Satisfied | Satisfied

Program Quality

* "Very Good" or "Good"

BCStudent Outcomes
*Shaping Post-Secondary Education*
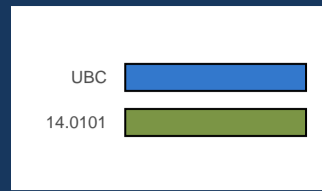
UBC	
14.0101	

SKILL DEVELOPMENT

Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
	14.0101				
Written Communication	21%	58%	16%	5%	19
Oral Communication	16%	53%	26%	5%	19
Reading and Comprehension	15%	65%	15%	5%	20
Group Collaboration	40%	25%	35%	0%	20
Critical Anlysis	45%	45%	10%	0%	20
Problem Resolution	42%	47%	11%	0%	19
Use of Mathematics	45%	45%	10%	0%	20
Conducting Research	15%	60%	20%	5%	20
Learning on Your Own	40%	45%	15%	0%	20

Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
	UBC				
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"
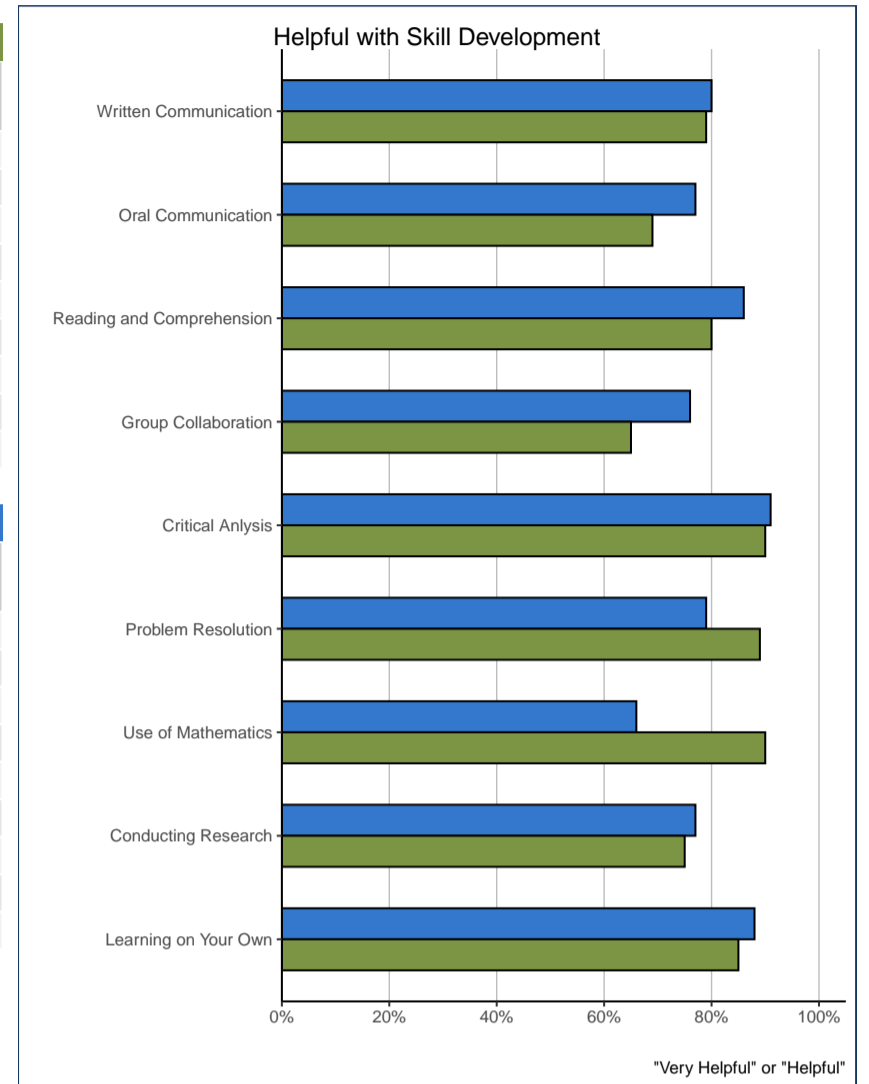
FURTHER EDUCATION

Took further education since 2020 graduation:	14.0101		UBC	
Yes	3	15%	1,119	49%
Not currently enrolled	1	5%	454	20%
Currently enrolled full–time	2	10%	559	25%
Currently enrolled part–time	0	0%	99	4%
No	17	85%	1,144	51%
Total	20	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
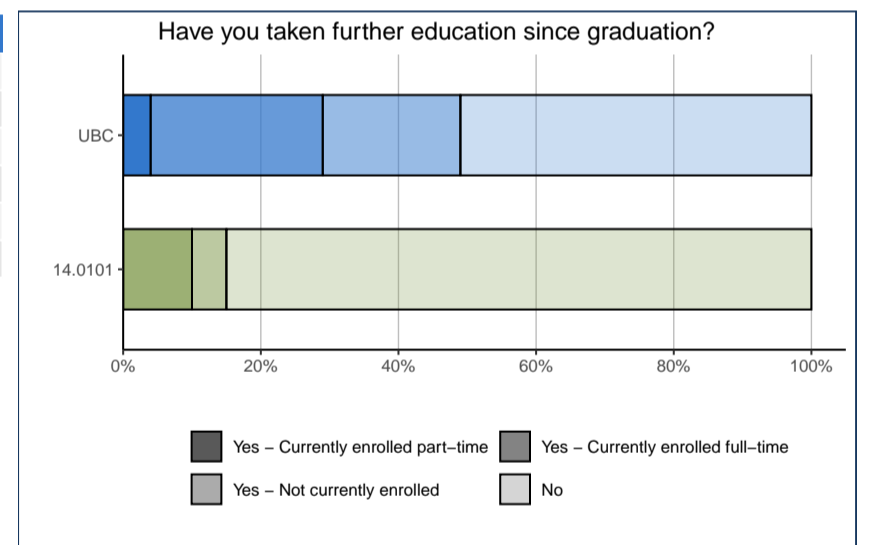
Type of Formal Post–Secondary Education:	14.0101		UBC	
Masters Degree	3	100%	467	42%
Doctoral Degree	0	0%	82	7%
Another Undergraduate Degree	0	0%	213	19%
Certificate or Diploma below Bachelor level	0	0%	133	12%
Professional Association Certification	0	0%	86	8%
Postgraduate Certificate or Diploma	0	0%	77	7%
Other	0	0%	52	5%
Total	3	100%	1,110	100%

Further Education/Training Type

	UBC
14.0101	
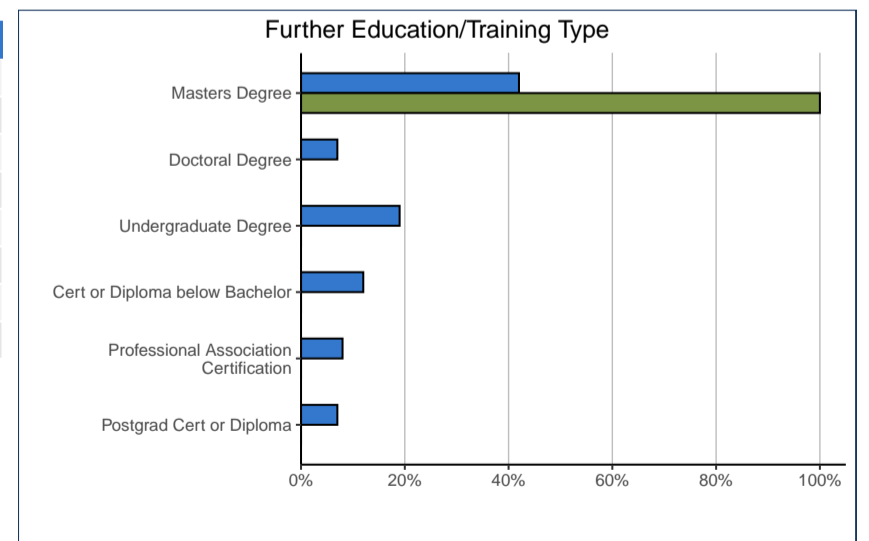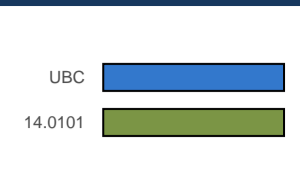
EMPLOYMENT

Labour Fource Status:	14.0101		UBC	
In Labour Force (working or seeking work)	18	90%	1,931	87%
Not in Labour Force	2	10%	296	13%
Total	20	100%	2,227	100%

Employment:	14.0101		UBC	
Employment Rate*	18	90%	1,788	79%
Unemployment Rate**	0	0.0%	143	7.4%

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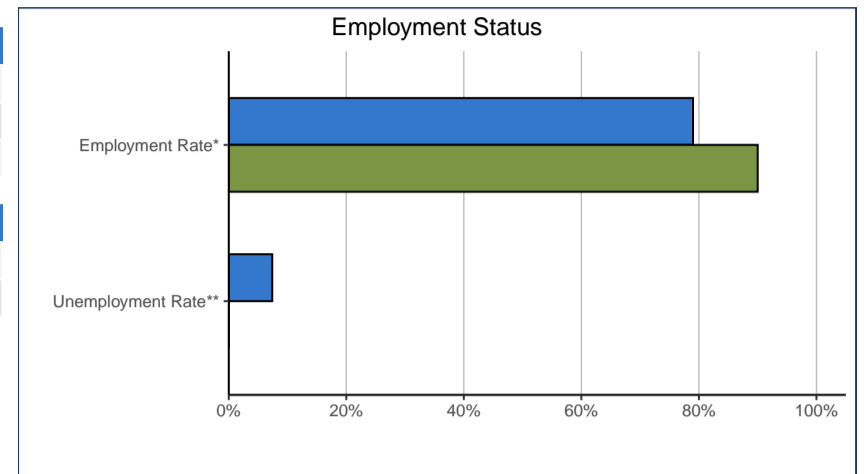
Employment Status

Status of Graduates NOT in Labour Force:	14.0101		UBC	
Attending School FT	1	50%	238	80%
Attending School PT	0	0%	2	1%
Other	1	50%	56	19%
Total NOT in Labour Force	2	100%	296	100%
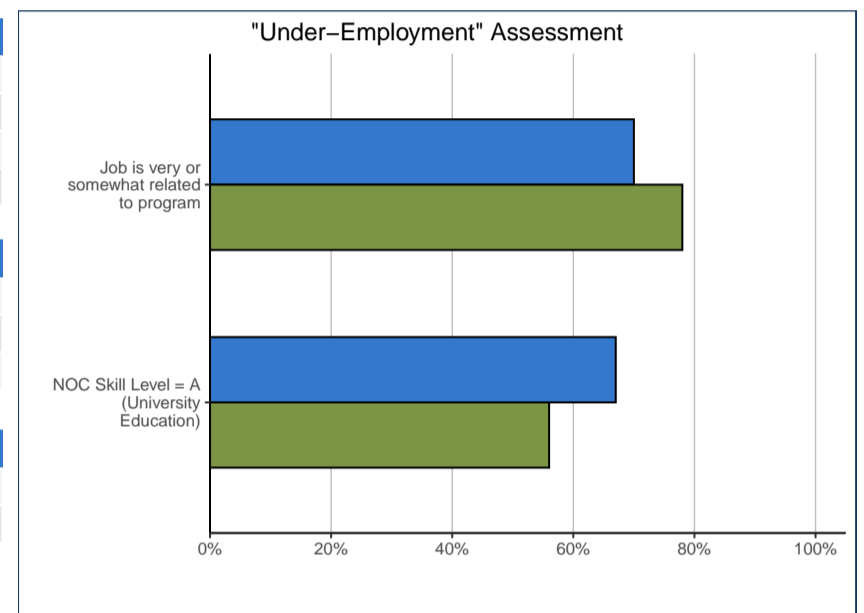
Primary Employment Type:	14.0101		UBC	
Paid worker	18	100%	1,679	94%
Self–employed	0	0%	106	6%
Total	18	100%	1,785	100%

Job Characteristics:	14.0101		UBC	
I hold more than one job*	0	0%	300	17%
My main job is full–time (>= 30 hours per week)**	16	100%	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?	14.0101		UBC	
Very Related	6	33%	628	35%
Somewhat Related	8	44%	621	35%
Not Very Related	4	22%	271	15%
Not at All Related	0	0%	264	15%
Total	18	100%	1,784	100%
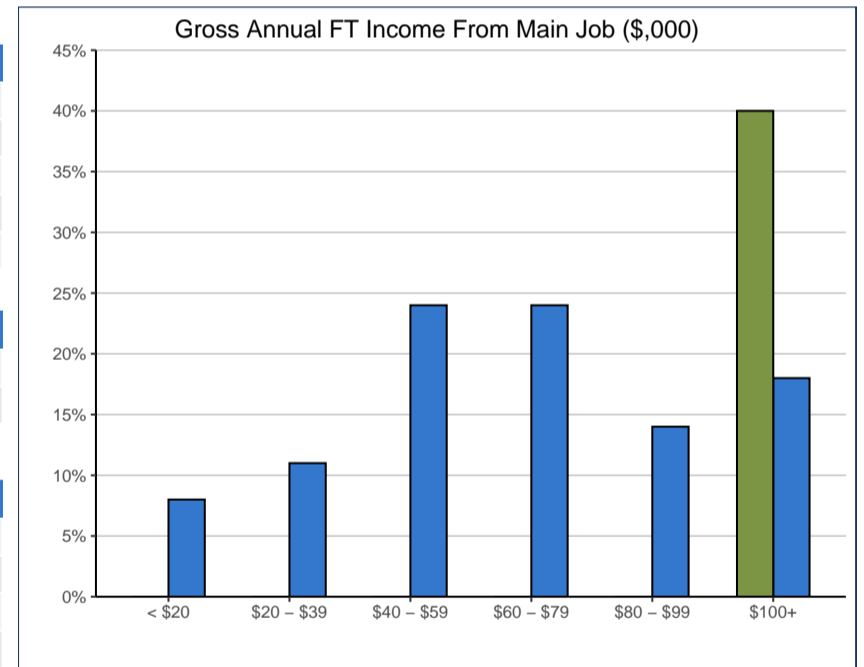
"Under–employment" Assessment:	14.0101		UBC	
Job is very or somewhat related to program	14	78%	1,249	70%
NOC Skill Level = A (University Education)*	10	56%	1,126	67%

*Of total valid responses

Gross Annual Income from Main Job:*	14.0101		UBC	
Less than $20,000	0	0%	112	8%
$20,000 to $39,999	0	0%	151	11%
$40,000 to $59,999	0	0%	321	24%
$60,000 to $79,999	~	~	326	24%
$80,000 to $99,999	~	~	195	14%
$100,000 and Above	6	40%	243	18%
Total	15	100%	1,348	100%
Median Annual Income (full–time) ($)	93,000		70,000	
Average Annual Income (full–time) ($)	117,568		79,724	

*Where data provided

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

NOC Skill Type of Main Job:	14.0101		UBC	
Business, finance & administration	2	11%	429	26%
Natural & applied sciences & related	13	72%	459	28%
Health	0	0%	183	11%
Education, law and social, community & government	0	0%	361	22%
Art, culture, recreation & sport	0	0%	87	5%
Sales & service	1	6%	118	7%
Trades, transport & equipment operators & related	1	6%	11	1%
Natural resources, agriculture & related production	1	6%	13	1%
Manufacturing & utilities	0	0%	8	0%
Total	18	100%	1,669	100%

Employed Graduates by NOC Skill Type

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14.0101: Engineering, general

UBC
14.0101
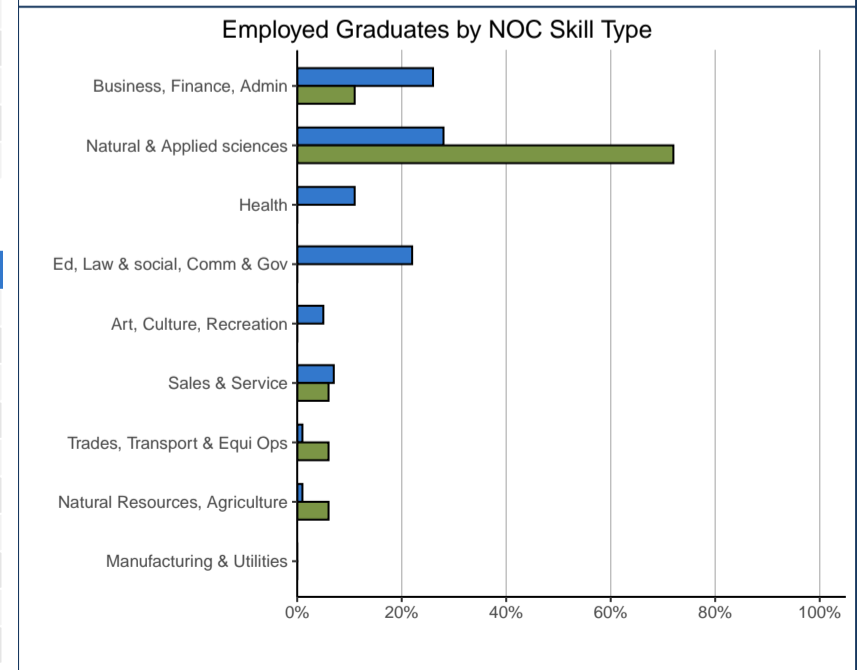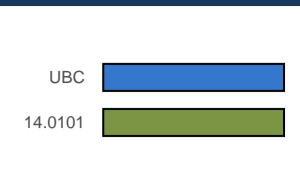
EMPLOYMENT, continued

NOC Skill Level of Main Job:	14.0101		UBC	
A. University education	10	56%	1,126	67%
B. College education/trade apprenticeship	7	39%	415	25%
C. Secondary school + job–specific training	1	6%	121	7%
D. No formal education	0	0%	14	1%
Total	18	100%	1,676	100%
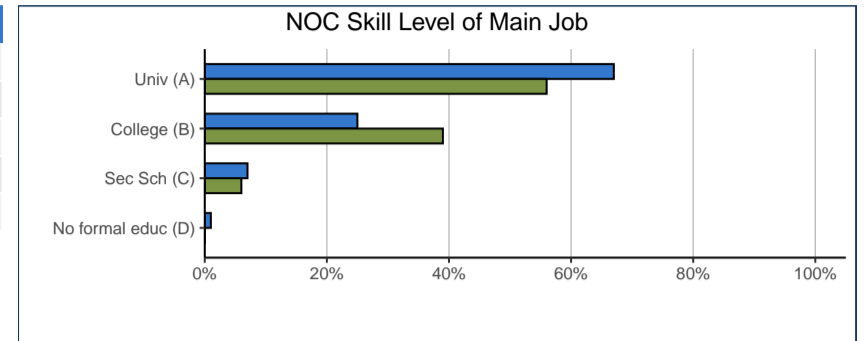
NOC Skill Level of Main Job

	14.0101				
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%	24%	0%	0%	17
Oral Communication	76%	24%	0%	0%	17
Reading and Comprehension	82%	12%	6%	0%	17
Group Collaboration	76%	24%	0%	0%	17
Critical Anlysis	100%	0%	0%	0%	17
Problem Resolution	82%	12%	6%	0%	17
Use of Mathematics	18%	59%	24%	0%	17
Conducting Research	29%	59%	12%	0%	17
Learning on Your Own	76%	24%	0%	0%	17
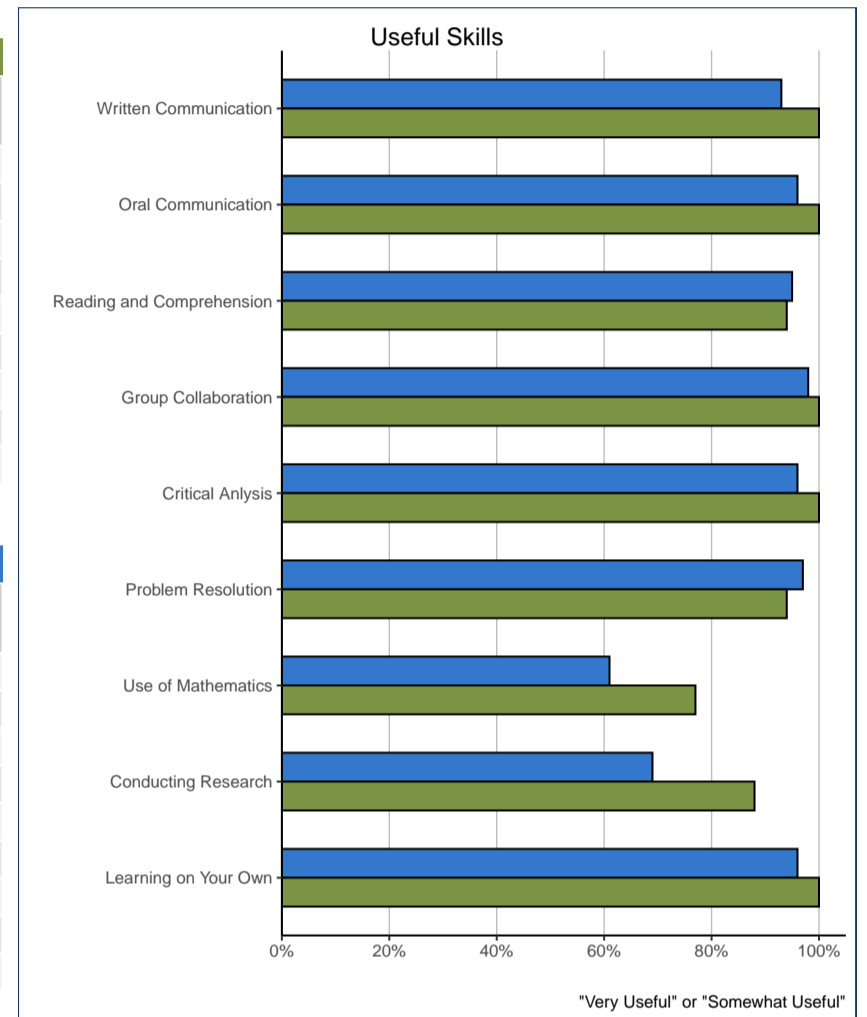
	UBC				
How useful are the following skills and abilities in doing your main job?	**Very Useful**	**Somewhat Useful**	**Not Very Useful**	**Not at All Useful**	**# Resp.**
Written Communication	66%	27%	6%	2%	1,772
Oral Communication	75%	21%	3%	1%	1,774
Reading and Comprehension	70%	25%	4%	1%	1,772
Group 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

Useful Skills

"Very Useful" or "Somewhat Useful"

Top 10 Full–time Occupations of 14.0101 Graduates:			14.0101
NOC	**NOC Skill Level**	**Description**	**% Employed FT in this Occ.****
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* 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		
14.0101		

EDUCATION FINANCING

Funding Sources (3 sources allowed):*	14.0101		UBC	
Personal savings, investments	6	33%	624	28%
Employment while studying	8	44%	1,016	46%
Family/Friends	13	72%	1,541	70%
Personal bank loans	1	6%	116	5%
Government student loans	5	28%	704	32%
Scholarships/Bursaries/Grants	6	33%	771	35%
Other	8	44%	506	23%
Total	18		2,213	

* Percentage of respondents who identified this source

Education Funding Sources

Financial Debt Incurred to Finance Bac. Ed.:*	14.0101		UBC	
Incurred any form of financial debt	9	47%	915	41%
Incurred government–sponsored student loan debt	5	26%	777	35%

* Percentage of respondents who provided data

Financial Debt Amount:*	14.0101		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	3	38%	56	8%
$15,000 to $19,999	0	0%	47	6%
$20,000 to $29,999	1	13%	138	18%
$30,000 to $39,999	2	25%	143	19%
$40,000 or More	2	25%	309	41%
Total	8	100%	746	100%
Median Financial Debt ($)	28,500		33,000	

* Includes only cases where financial debt was incurred

Financial Debt Incurred ($,000)

Gov't–Sponsored Student Loan Debt Amount:*	14.0101		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	25%	51	9%
$15,000 to $19,999	0	0%	43	7%
$20,000 to $29,999	1	25%	130	22%
$30,000 to $39,999	1	25%	119	20%
$40,000 or More	1	25%	199	34%
Total	4	100%	585	100%
Median Gov't–Sponsored Loan Debt ($)	29,500		30,000	

* Includes only cases where government–sponsored debt was incurred

Government–Sponsored Debt Incurred ($,000)

Gov't–Sponsored Loan Debt Outstanding:*	14.0101		UBC	
None – Loan repaid in full	1	20%	206	32%
< $1,000	0	0%	1	0%
$1,000 to $4,999	0	0%	15	2%
$5,000 to $9,999	1	20%	35	5%
$10,000 to $14,999	0	0%	42	7%
$15,000 to $19,999	1	20%	42	7%
$20,000 to $29,999	1	20%	103	16%
$30,000 to $39,999	1	20%	81	13%
$40,000 or More	0	0%	119	18%
Total	5	100%	644	100%
Median Gov't–Sponsored Loan Debt Outstanding** ($)	22,000		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)