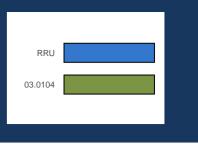


# B.C. Baccalaureate Outcomes 2022 Survey of 2020 Baccalaureate Graduates

Detailed Summary of Survey Results Royal Roads University 03.0104: Environmental science



RESPONSE RATE											
Survey Response Rate:	03.	3.0104 RRU						Response	Rate		
Baccalaureate Graduates Survey Cohort	42	100%	286	100%	RRU						
Survey Respondents and Response Rate	24	57%	133	47%	KKU-						
					03.0104 -						

# DEMOGRAPHIC INFORMATION

0%

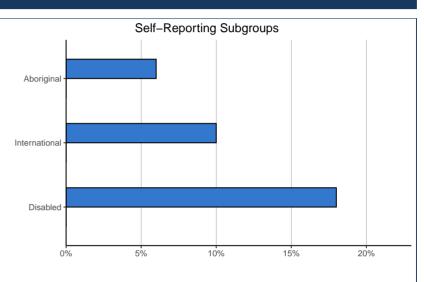
Г

10%

20%

Self-Reporting Subgroups:	03.0104		RRU	
Disabled	~	~	24	18%
International	0	0%	13	10%
Aboriginal	~	~	7	6%

Gender:*	03.0104		RRU	
Male	9	38%	44	33%
Female	15	63%	89	67%
Total	24	100%	133	100%



30%

40%

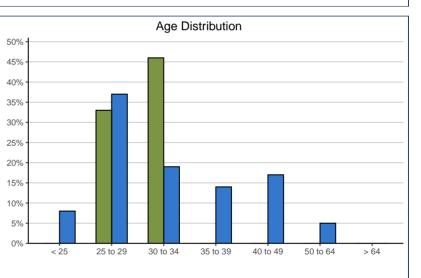
50%

60%

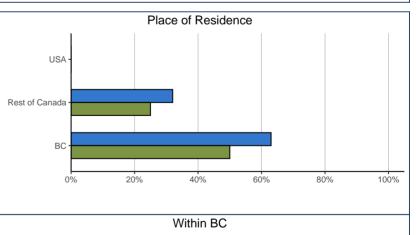
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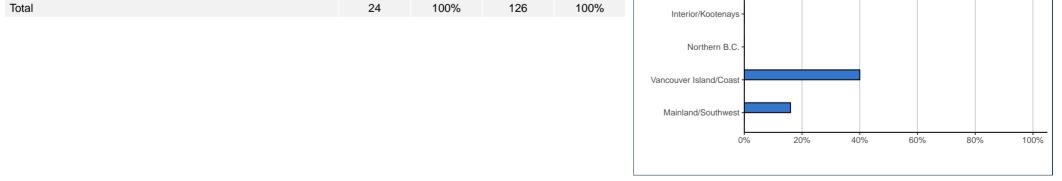
\*Due to zero or low counts, institution-reported "Non-binary" demographic data are not included.

Age (at time of survey):	03	03.0104		RU
< 25	0	0%	11	8%
25 to 29	8	33%	49	37%
30 to 34	11	46%	25	19%
35 to 39	~	~	18	14%
40 to 49	~	~	23	17%
50 to 64	0	0%	7	5%
> 64	0	0%	0	0%
Total	24	100%	133	100%
Median Age	31		31	
Average (mean) Age	31		33	

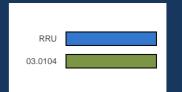


Place of Residence (at time of survey):	03.0	)104	RI	ิรบ
BC – Mainland/Southwest	~	~	20	16%
BC – Vancouver Island/Coast	~	~	50	40%
BC – Northern B.C.	0	0%	~	~
BC – Interior/Kootenays	~	~	~	~
BC Subtotal	12	50%	79	63%
Canada – Alberta	6	25%	29	23%
Canada – Ontario	~	~	11	9%
Canada – Other	~	~	~	~
U.S.A.	0	0%	~	~
Non-BC Subtotal	12	50%	47	37%







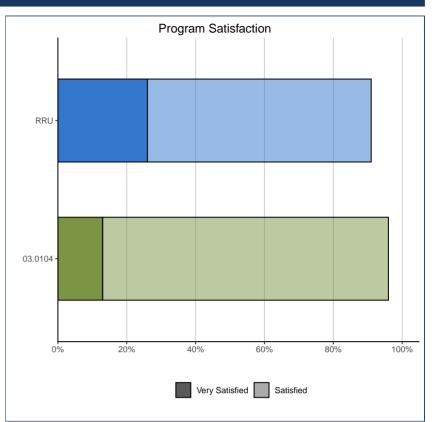


### EDUCATION EVALUATION AND SKILL DEVELOPMENT

Program Satisfaction:	03.0104		RRU	
Very Satisfied	3	13%	34	26%
Satisfied	19	83%	84	65%
Dissatisfied	1	4%	8	6%
Very Dissatisfied	0	0%	4	3%
Total	23	100%	130	100%

Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work:	03.0104		RRU	
Very Useful	6	26%	42	34%
Somewhat Useful	14	61%	62	50%
Not Very Useful	2	9%	15	12%
Not at All Useful	1	4%	5	4%
Total	23	100%	124	100%

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	03.0104		RRU	
Yes	4	17%	16	13%
No	20	83%	111	87%



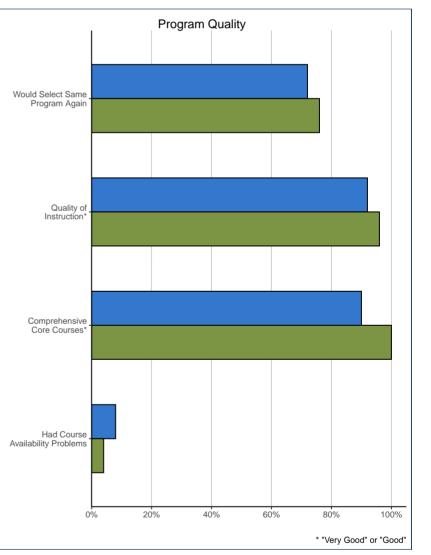
Would select the same program again:	03.0104		RI	ิรบ
Yes	16	76%	84	72%
No	5	24%	33	28%

Quality of Instruction:	03.0104		RRU	
Very Good	7	29%	37	28%
Good	16	67%	84	64%
Poor	1	4%	6	5%
Very Poor	0	0%	4	3%
Total	24	100%	131	100%

Comprehensiveness of Core Courses:	03.0104		RRU	
Very Good	7	30%	34	26%
Good	16	70%	83	64%
Poor	0	0%	9	7%
Very Poor	0	0%	3	2%
Total	23	100%	129	100%

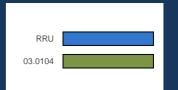
Course Availability:	03.0104		RI	งบ
Encountered course availability problems	1	4%	10	8%

Financial Constraints:	03.0104		RRU	
Had to interrupt studies for financial reasons	1	4%	15	11%
Had to take program part-time for financial reasons	3	13%	22	17%



Note:  $\sim$  indicates low cell count; data suppressed

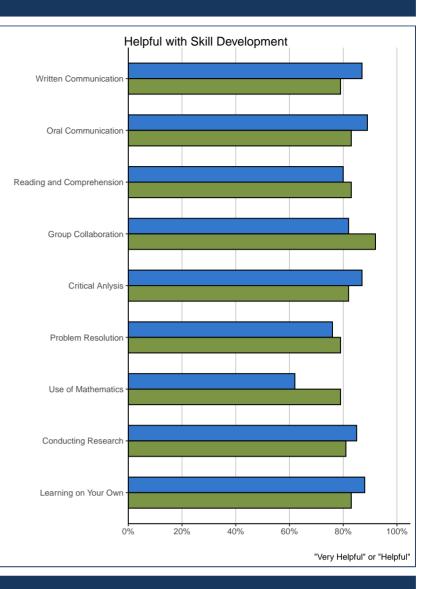




### SKILL DEVELOPMENT

		03.0104				
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.	
Written Communication	33%	46%	17%	4%	24	
Oral Communication	25%	58%	8%	8%	24	
Reading and Comprehension	25%	58%	4%	13%	24	
Group Collaboration	54%	38%	4%	4%	24	
Critical Anlysis	39%	43%	13%	4%	23	
Problem Resolution	21%	58%	17%	4%	24	
Use of Mathematics	9%	70%	22%	0%	23	
Conducting Research	45%	36%	18%	0%	22	
Learning on Your Own	33%	50%	13%	4%	24	

			RRU		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	33%	54%	13%	1%	127
Oral Communication	28%	61%	7%	4%	130
Reading and Comprehension	24%	56%	15%	5%	127
Group Collaboration	37%	45%	13%	5%	130
Critical Anlysis	32%	55%	12%	2%	129
Problem Resolution	18%	58%	20%	4%	131
Use of Mathematics	13%	49%	22%	16%	83
Conducting Research	35%	50%	13%	2%	127
Learning on Your Own	37%	51%	10%	2%	130

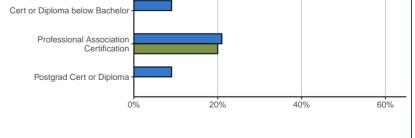


Have you taken further education since graduation?

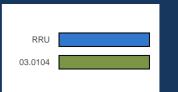
Type of Formal Post–Secondary Education:	03.	0104	R	RU	Further Education/Training Type
Masters Degree	3	60%	15	44%	Masters Degree
Doctoral Degree	0	0%	0	0%	
Another Undergraduate Degree	1	20%	5	15%	Doctoral Degree -
Certificate or Diploma below Bachelor level	0	0%	3	9%	
Professional Association Certification	1	20%	7	21%	Undergraduate Degree
Postgraduate Certificate or Diploma	0	0%	3	9%	
Other	0	0%	1	3%	Cert or Diploma below Bachelor
Total	5	100%	34	100%	Professional Association

### FURTHER EDUCATION

26%
11%
9%
5%
74%
100%
5º 74







EMPLOYMENT

5

3.9%

Labour Fource Status:	03.	03.0104		RU		
In Labour Force (working or seeking work)	23	96%	129	98%		
Not in Labour Force	1	4%	3	2%		
Total	24	100%	132	100%		
Employment:	03.	03.0104		03.0104 RR		RU
Employment Rate*	23	96%	124	93%		

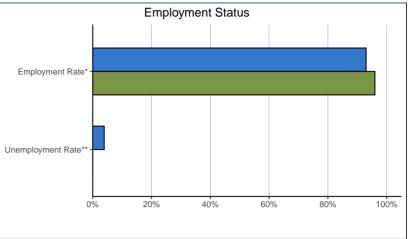
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0.0%

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:	03.0104		RRU	
Attending School FT	1	100%	2	67%
Attending School PT	0	0%	0	0%
Other	0	0%	1	33%
Total NOT in Labour Force	1	100%	3	100%

Primary Employment Type:	03.0104		RRU	
Paid worker	22	96%	110	89%
Self-employed	1	4%	14	11%
Total	23	100%	124	100%

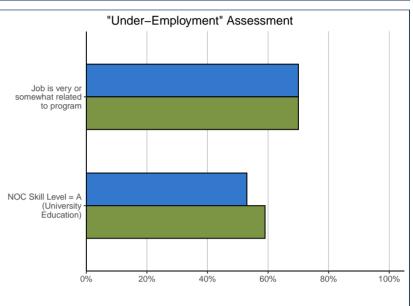
Job Characteristics:	03.	03.0104		งบ
I hold more than one job*	5	22%	27	22%
My main job is full-time (>= 30 hours per week)**	21	95%	105	92%
*Of total Employed				

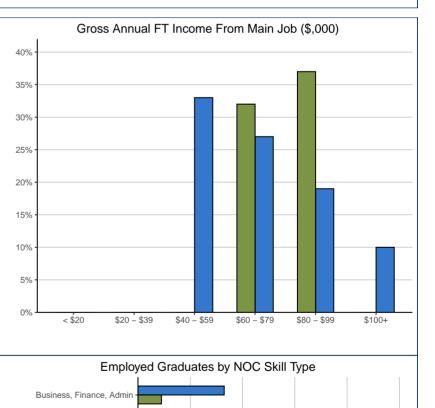


How related is your main job to your program?	03.0104		RRU	
Very Related	5	22%	38	31%
Somewhat Related	11	48%	49	40%
Not Very Related	6	26%	26	21%
Not at All Related	1	4%	11	9%
Total	23	100%	124	100%

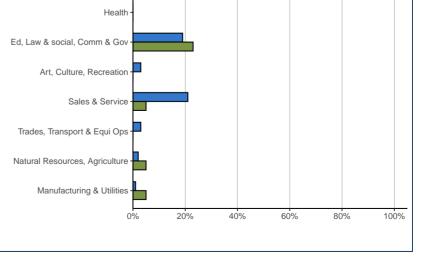
"Under-employment" Assessment:	03.0104		RI	ิรบ
Job is very or somewhat related to program	16	70%	87	70%
NOC Skill Level = A (University Education)*	13	59%	58	53%
*Of total valid responses				

Gross Annual Income from Main Job:*	03.	03.0104		ิรบ
Less than \$20,000	0	0%	~	~
\$20,000 to \$39,999	0	0%	~	~
\$40,000 to \$59,999	~	~	29	33%
\$60,000 to \$79,999	6	32%	24	27%
\$80,000 to \$99,999	7	37%	17	19%
\$100,000 and Above	~	~	9	10%
Total	19	100%	88	100%
Median Annual Income (full-time) (\$)	65,158		63,500	
Average Annual Income (full-time) (\$)	92,410		75,820	
*Where data provided				





NOC Skill Type of Main Job:	03.	03.0104		RU
Business, finance & administration	2	9%	36	33%
Natural & applied sciences & related	12	55%	21	19%
Health	0	0%	0	0%
Education, law and social, community & government	5	23%	21	19%
Art, culture, recreation & sport	0	0%	3	3%
Sales & service	1	5%	23	21%
Trades, transport & equipment operators & related	0	0%	3	3%
Natural resources, agriculture & related production	1	5%	2	2%
Manufacturing & utilities	1	5%	1	1%
Total	22	100%	110	100%



4

Natural & Applied sciences



NOC Skill Level of Main Job:

B. College education/trade apprenticeship

C. Secondary school + job-specific training

A. University education

D. No formal education

Total

# Detailed Summary of Survey Results Royal Roads University 03.0104: Environmental science

38

9

5

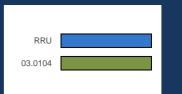
110

35%

8%

5%

100%



#### EMPLOYMENT, continued 03.0104 RRU 13 58 53% 59%

32%

9%

0%

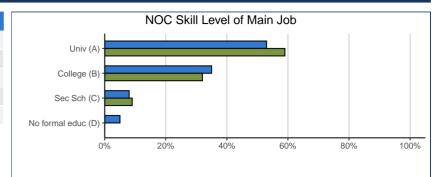
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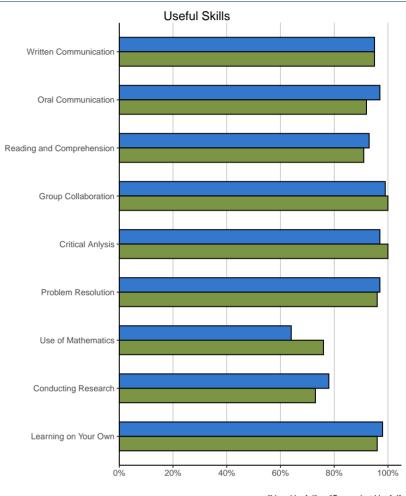
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22



	03.0104						
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	65%	30%	0%	4%	23		
Oral Communication	70%	22%	0%	9%	23		
Reading and Comprehension	65%	26%	9%	0%	23		
Group Collaboration	74%	26%	0%	0%	23		
Critical Anlysis	77%	23%	0%	0%	22		
Problem Resolution	70%	26%	4%	0%	23		
Use of Mathematics	33%	43%	24%	0%	21		
Conducting Research	30%	43%	13%	13%	23		
Learning on Your Own	61%	35%	4%	0%	23		

	RRU					
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%	26%	3%	2%	120	
Oral Communication	80%	17%	1%	3%	120	
Reading and Comprehension	70%	23%	6%	1%	120	
Group Collaboration	80%	19%	1%	0%	120	
Critical Anlysis	79%	18%	2%	1%	119	
Problem Resolution	79%	18%	3%	0%	120	
Use of Mathematics	23%	41%	22%	14%	113	
Conducting Research	43%	35%	14%	9%	117	
Learning on Your Own	72%	26%	2%	0%	119	



"Very Useful" or "Somewhat Useful"

Top 10 Full-time Oc	cupations of 03.0104 Gr	aduates:	03.0104
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
*			
*			
*			
*			
*			
*			
*			
*			
*			
*			
* Data not displayed wh	pere $n < 5$		

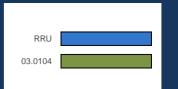
Data not displayed where n < 5

\*\* Percentages cited are of those employed

· · · · · ·			
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
XXXX	0	Unclassified occupations	6%
4161	A	Natural and applied science policy researchers, consultants and program officers	5%
1123	A	Professional occupations in advertising, marketing and public relations	4%
*			
*			
*			
*			
*			
*			
*			
* Data not display	rod where $n < 5$		

<sup>t</sup> Data not displayed where n < 5\*\* Percentages cited are of those employed



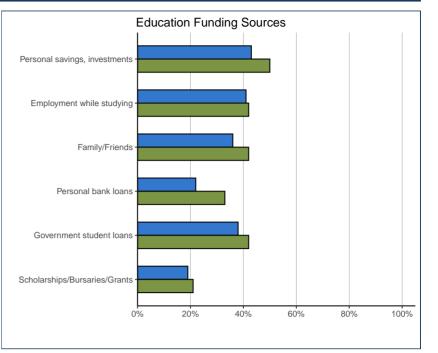


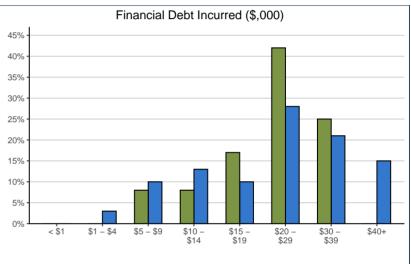
#### **EDUCATION FINANCING**

Funding Sources (3 sources allowed):*	03.0104		RI	RU	
Personal savings, investments	12	50%	56	43%	
Employment while studying	10	42%	53	41%	
Family/Friends	10	42%	47	36%	
Personal bank loans	8	33%	29	22%	
Government student loans	10	42%	49	38%	
Scholarships/Bursaries/Grants	5	21%	24	19%	
Other	5	21%	31	24%	
Total	24		129		
* Percentage of respondents who identified this source					

Financial Debt Incurred to Finance Bac. Ed.:\* RRU 03.0104 Incurred any form of financial debt 16 67% 81 62% Incurred government-sponsored student loan debt 12 50% 56 42% \* Percentage of respondents who provided data

Financial Debt Amount:*	03.	03.0104		RU		
< \$1,000	0	0%	0	0%		
\$1,000 to \$4,999	0	0%	2	3%		
\$5,000 to \$9,999	1	8%	6	10%		
\$10,000 to \$14,999	1	8%	8	13%		
\$15,000 to \$19,999	2	17%	6	10%		
\$20,000 to \$29,999	5	42%	17	28%		
\$30,000 to \$39,999	3	25%	13	21%		
\$40,000 or More	0	0%	9	15%		
Total	12	100%	61	100%		
Median Financial Debt (\$)	22,500		23,000			
* Includes only cases where financial debt was incurred						

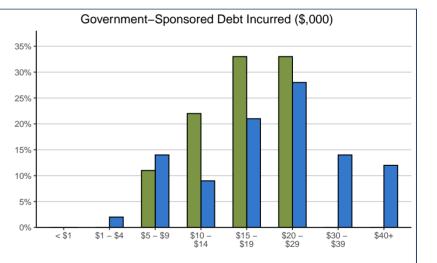




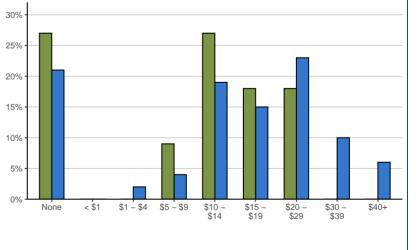
Gov't-Sponsored Student Loan Debt Amount:\* 03.0104 RRU < \$1,000 0 0% 0 0% \$1,000 to \$4,999 0 0% 2% 1 \$5,000 to \$9,999 1 11% 6 14% \$10,000 to \$14,999 22% 2 4 9% \$15,000 to \$19,999 3 33% 9 21% \$20,000 to \$29,999 3 33% 12 28% \$30,000 to \$39,999 0 0% 6 14% \$40,000 or More 0 0% 5 12% 100% 43 Total 9 100% Median Gov't-Sponsored Loan Debt (\$) 15,000 20,000

\* Includes only cases where government-sponsored debt was incurred

Gov't-Sponsored Loan Debt Outstanding:*	03.0	03.0104		ิรบ
None – Loan repaid in full	3	27%	10	21%
< \$1,000	0	0%	0	0%
\$1,000 to \$4,999	0	0%	1	2%
\$5,000 to \$9,999	1	9%	2	4%
\$10,000 to \$14,999	3	27%	9	19%
\$15,000 to \$19,999	2	18%	7	15%
\$20,000 to \$29,999	2	18%	11	23%
\$30,000 to \$39,999	0	0%	5	10%
\$40,000 or More	0	0%	3	6%
Total	11	100%	48	100%
Median Gov't-Sponsored Loan Debt Outstanding** (\$)	13,500		19,500	



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