

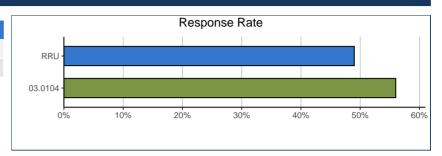
# B.C. Baccalaureate Outcomes 2023 Survey of 2021 Baccalaureate Graduates

03.0104

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

### RESPONSE RATE

Survey Response Rate:	03.0104		RRU	
Baccalaureate Graduates Survey Cohort	34	100%	295	100%
Survey Respondents and Response Rate	19	56%	146	49%

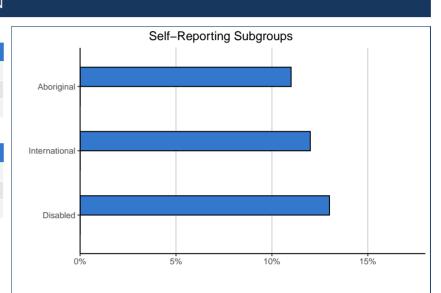


### DEMOGRAPHIC INFORMATION

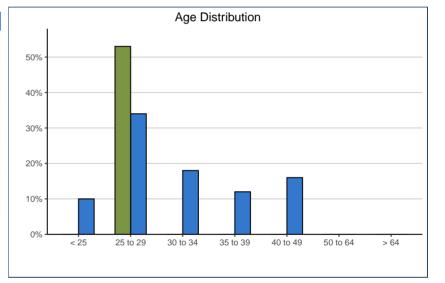
Self-Reporting Subgroups:	03.0104		RRU	
Disabled	~	~	18	13%
International	0	0%	18	12%
Aboriginal	0	0%	14	11%

Gender:*	03.0104		RRU	
Male	7	37%	56	38%
Female	12	63%	90	62%
Total	19	100%	146	100%

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



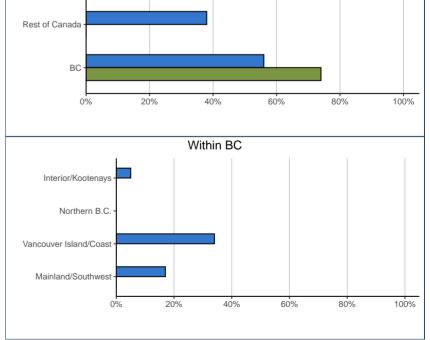
Age (at time of survey):	03.0104		RRU	
< 25	~	~	15	10%
25 to 29	10	53%	49	34%
30 to 34	~	~	26	18%
35 to 39	~	~	17	12%
40 to 49	0	0%	23	16%
50 to 64	0	0%	~	~
> 64	0	0%	~	~
Total	19	100%	146	100%
Median Age	28		31	
Average (mean) Age	29		34	



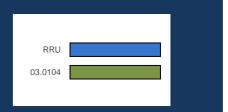
Place of Residence

USA

Place of Residence (at time of survey):	03.0104		RRU	
BC – Mainland/Southwest	~	~	21	17%
BC - Vancouver Island/Coast	~	~	43	34%
BC – Northern B.C.	0	0%	0	0%
BC – Interior/Kootenays	~	~	6	5%
BC Subtotal	14	74%	70	56%
Canada – Alberta	~	~	35	28%
Canada – Ontario	~	~	13	10%
Canada – Other	0	0%	~	~
U.S.A.	0	0%	~	~
Non-BC Subtotal	5	26%	55	44%
Total	19	100%	125	100%



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

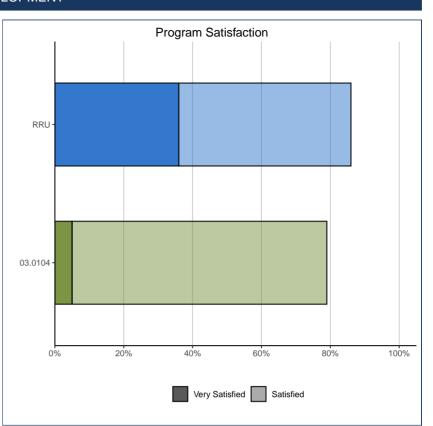


### **EDUCATION EVALUATION AND SKILL DEVELOPMENT**

Program Satisfaction:	03.0104		RI	<b>२</b> บ
Very Satisfied	1	5%	51	36%
Satisfied	14	74%	72	50%
Dissatisfied	4	21%	17	12%
Very Dissatisfied	0	0%	3	2%
Total	19	100%	143	100%

03.0104		RRU	
5	28%	52	42%
9	50%	54	43%
2	11%	14	11%
2	11%	5	4%
18	100%	125	100%
	5 9 2 2	5 28% 9 50% 2 11% 2 11%	5 28% 52   9 50% 54   2 11% 14   2 11% 5

Took upgrading, access, bridging, or other preparatory courses during or prior to studies:	03.0	03.0104		RRU	
Yes	3	17%	13	9%	
No	15	83%	130	91%	



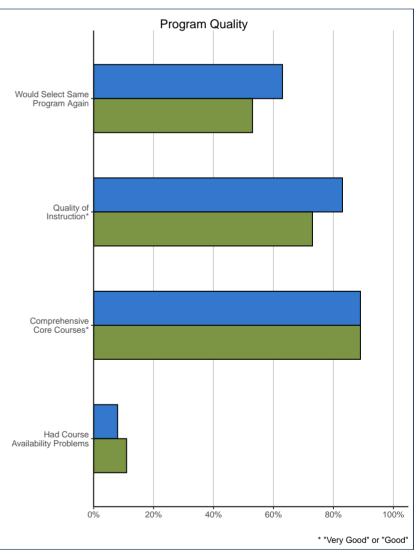
Would select the same program again:	03.0104		RRU	
Yes	9	53%	84	63%
No	8	47%	49	37%

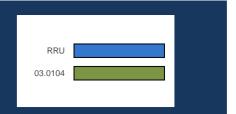
Quality of Instruction:	03.0	03.0104		RRU	
Very Good	3	17%	45	31%	
Good	10	56%	76	52%	
Poor	5	28%	21	14%	
Very Poor	0	0%	3	2%	
Total	18	100%	145	100%	

Comprehensiveness of Core Courses:	03.0	03.0104		RRU	
Very Good	4	22%	45	31%	
Good	12	67%	84	58%	
Poor	2	11%	14	10%	
Very Poor	0	0%	2	1%	
Total	18	100%	145	100%	

Course Availability:	03.0	0104	R	RU
Encountered course availability problems	2	11%	11	8%

Financial Constraints:	03.0104		RI	<b>२</b> บ
Had to interrupt studies for financial reasons	5	26%	16	11%
Had to take program part-time for financial reasons	2	11%	22	15%

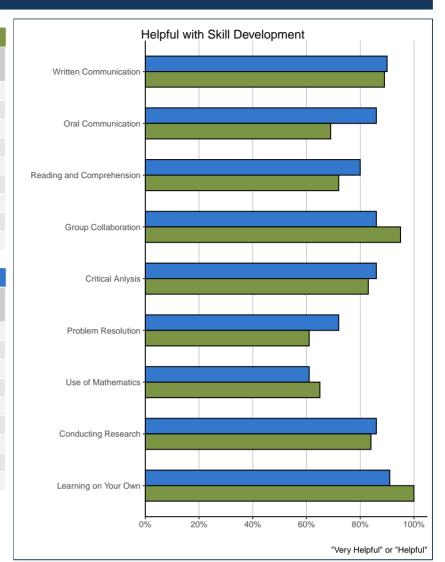




### SKILL DEVELOPMENT

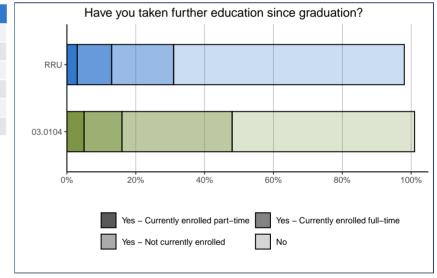
			03.0104		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	17%	72%	11%	0%	18
Oral Communication	16%	53%	32%	0%	19
Reading and Comprehension	11%	61%	28%	0%	18
Group Collaboration	53%	42%	5%	0%	19
Critical Anlysis	22%	61%	17%	0%	18
Problem Resolution	17%	44%	39%	0%	18
Use of Mathematics	24%	41%	35%	0%	17
Conducting Research	21%	63%	16%	0%	19
Learning on Your Own	32%	68%	0%	0%	19

			RRU		
Skill Development: How helpful was institution?	Very Helpful	Helpful	Not Very Helpful	Not at All Helpful	# Resp.
Written Communication	34%	56%	10%	1%	144
Oral Communication	31%	55%	13%	1%	144
Reading and Comprehension	24%	56%	16%	4%	139
Group Collaboration	45%	41%	10%	5%	146
Critical Anlysis	33%	53%	11%	3%	144
Problem Resolution	22%	50%	25%	3%	141
Use of Mathematics	15%	46%	27%	12%	82
Conducting Research	34%	52%	13%	0%	143
Learning on Your Own	41%	50%	7%	2%	142

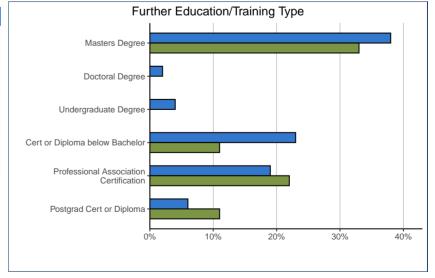


#### **FURTHER EDUCATION**

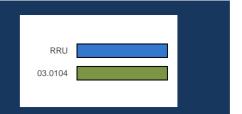
Took further education since 2021 graduation:	03.0104		RRU	
Yes	9	47%	48	33%
Not currently enrolled	6	32%	27	18%
Currently enrolled full-time	2	11%	15	10%
Currently enrolled part-time	1	5%	4	3%
No	10	53%	98	67%
Total	19	100%	146	100%



Type of Formal Post–Secondary Education:	03	03.0104		RRU	
Masters Degree	3	33%	18	38%	
Doctoral Degree	0	0%	1	2%	
Another Undergraduate Degree	0	0%	2	4%	
Certificate or Diploma below Bachelor level	1	11%	11	23%	
Professional Association Certification	2	22%	9	19%	
Postgraduate Certificate or Diploma	1	11%	3	6%	
Other	2	22%	3	6%	
Total	9	100%	47	100%	

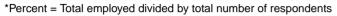


# Detailed Summary of Survey Results Royal Roads University 03.0104: Environmental science

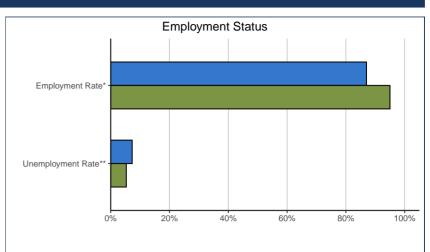


#### **EMPLOYMENT**

Labour Fource Status:	03.0104		RRU	
In Labour Force (working or seeking work)	19	100%	137	94%
Not in Labour Force	0	0%	8	6%
Total	19	100%	145	100%
Employment:	03.	03.0104 R		RU
Employment Rate*	18	95%	127	87%
Unemployment Rate**	1	5.3%	10	7.3%



<sup>\*\*</sup>Percent = Total unemployed divided by total number in Labour Force

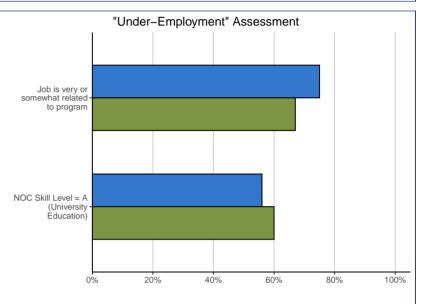


Status of Graduates NOT in Labour Force:	03.0104		RRU	
Attending School FT	0	0%	3	38%
Attending School PT	0	0%	0	0%
Other	0	0%	5	63%
Total NOT in Labour Force	0	0%	8	100%

Primary Employment Type:	03.0104		RF	<b>२</b> ป
Paid worker	18	100%	117	92%
Self-employed	0	0%	10	8%
Total	18	100%	127	100%

Job Characteristics:	03.0104		RRU	
I hold more than one job*	1	6%	19	15%
My main job is full-time (>= 30 hours per week)**	16	94%	116	96%

<sup>\*</sup>Of total Employed



How related is your main job to your program?	03.0104		RRU	
Very Related	5	28%	46	37%
Somewhat Related	7	39%	48	38%
Not Very Related	3	17%	17	13%
Not at All Related	3	17%	15	12%
Total	18	100%	126	100%

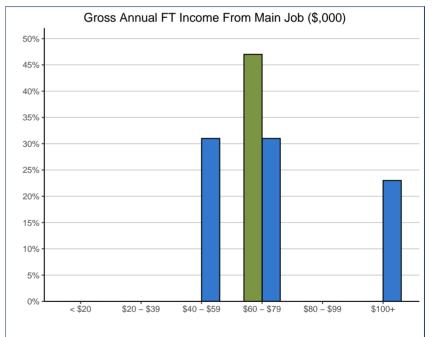
"Under-employment" Assessment:	03.0104		RRU	
Job is very or somewhat related to program	12	67%	94	75%
NOC Skill Level = A (University Education)*	9	60%	60	56%

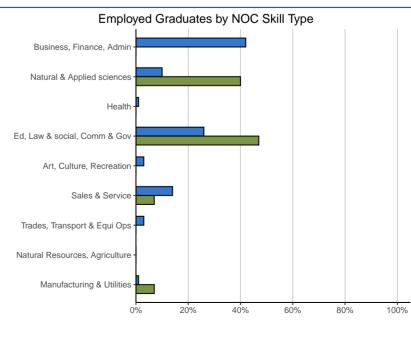
<sup>\*</sup>Of total valid responses

Gross Annual Income from Main Job:*	03.0104		RRU	
Less than \$20,000	~	~	~	~
\$20,000 to \$39,999	0	0%	~	~
\$40,000 to \$59,999	~	~	27	31%
\$60,000 to \$79,999	7	47%	27	31%
\$80,000 to \$99,999	~	~	~	~
\$100,000 and Above	~	~	20	23%
Total	15	100%	87	100%
Median Annual Income (full-time) (\$)	65,519		70,000	
Average Annual Income (full-time) (\$)	68,479		83,431	

<sup>\*</sup>Where data provided

NOC Skill Type of Main Job:		03.0104		RRU	
Business, finance & administration	0	0%	44	42%	
Natural & applied sciences & related		40%	11	10%	
Health		0%	1	1%	
Education, law and social, community & government		47%	28	26%	
Art, culture, recreation & sport	0	0%	3	3%	
Sales & service	1	7%	15	14%	
Trades, transport & equipment operators & related	0	0%	3	3%	
Natural resources, agriculture & related production	0	0%	0	0%	
Manufacturing & utilities	1	7%	1	1%	
Total	15	100%	106	100%	

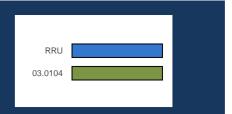




<sup>\*\*</sup>Of those who provided data on hours/week worked

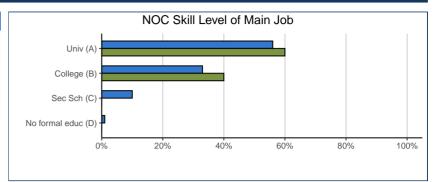


# Detailed Summary of Survey Results Royal Roads University 03.0104: Environmental science



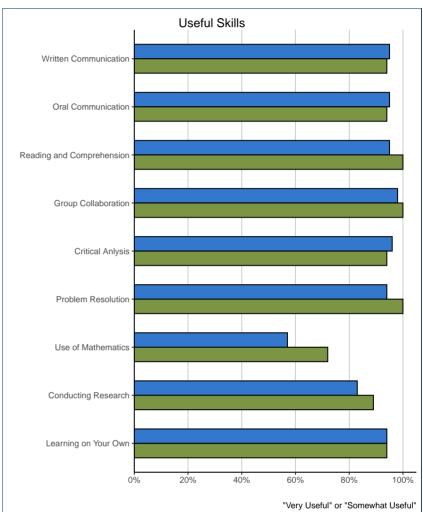
### EMPLOYMENT, continued

NOC Skill Level of Main Job:	03.0104		RRU	
A. University education	9	60%	60	56%
B. College education/trade apprenticeship	6	40%	35	33%
C. Secondary school + job-specific training	0	0%	11	10%
D. No formal education	0	0%	1	1%
Total	15	100%	107	100%



How useful are the following skills and abilities in doing your main job?   Useful   Useful						
abilities in doing your main job?     Useful     Useful     Useful     Useful     # Resp.       Written Communication     94%     0%     0%     6%     18       Oral Communication     83%     11%     6%     0%     18       Reading and Comprehension     78%     22%     0%     0%     18       Group Collaboration     61%     39%     0%     0%     18		03.0104				
Oral Communication     83%     11%     6%     0%     18       Reading and Comprehension     78%     22%     0%     0%     18       Group Collaboration     61%     39%     0%     0%     18				•		# Resp.
Reading and Comprehension     78%     22%     0%     0%     18       Group Collaboration     61%     39%     0%     0%     18	Written Communication	94%	0%	0%	6%	18
Group Collaboration 61% 39% 0% 0% 18	Oral Communication	83%	11%	6%	0%	18
	Reading and Comprehension	78%	22%	0%	0%	18
Critical Anlysis     72%     22%     0%     6%     18	Group Collaboration	61%	39%	0%	0%	18
	Critical Anlysis	72%	22%	0%	6%	18
Problem Resolution 78% 22% 0% 0% 18	Problem Resolution	78%	22%	0%	0%	18
Use of Mathematics 33% 39% 17% 11% 18	Use of Mathematics	33%	39%	17%	11%	18
Conducting Research     56%     33%     6%     6%	Conducting Research	56%	33%	6%	6%	18
Learning on Your Own     83%     11%     0%     6%     18	Learning on Your Own	83%	11%	0%	6%	18

	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	84%	11%	2%	3%	126	
Oral Communication	79%	16%	5%	1%	126	
Reading and Comprehension	76%	19%	5%	0%	126	
Group Collaboration	74%	24%	1%	2%	126	
Critical Anlysis	77%	19%	3%	1%	126	
Problem Resolution	75%	19%	5%	1%	126	
Use of Mathematics	25%	32%	21%	22%	114	
Conducting Research	49%	34%	8%	9%	122	
Learning on Your Own	73%	21%	5%	1%	126	



Top 10 Full-time Occupations of 03.0104 Graduates:		03.0104	
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
4161	Α	Natural and applied science policy researchers, consultants and program officers	33%
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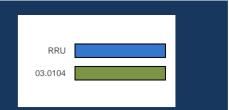
<sup>\*</sup> Data not displayed where n < 5

<sup>\*\*</sup> Percentages cited are of those employed

Top 10 Full-tim	RRU		
NOC	NOC Skill Level	Description	% Employed FT in this Occ.**
XXXX	0	Unclassified occupations	12%
1123	Α	Professional occupations in advertising, marketing and public relations	11%
4161	Α	Natural and applied science policy researchers, consultants and program officers	6%
1221	В	Administrative officers	4%
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*			
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<sup>\*</sup> Data not displayed where n < 5

<sup>\*\*</sup> Percentages cited are of those employed



#### **EDUCATION FINANCING**

Funding Sources (3 sources allowed):*	03.	03.0104		<b>२</b> บ
Personal savings, investments	7	37%	43	30%
Employment while studying		32%	57	40%
Family/Friends	7	37%	48	33%
Personal bank loans	4	21%	21	15%
Government student loans	15	79%	53	37%
Scholarships/Bursaries/Grants	4	21%	30	21%
Other	1	5%	35	24%
Total	19		144	

<sup>\*</sup> Percentage of respondents who identified this source

Financial Debt Incurred to Finance Bac. Ed.:*	03.0104		RRU	
Incurred any form of financial debt	16	84%	73	51%
Incurred government-sponsored student loan debt	15	79%	54	38%

<sup>\*</sup> Percentage of respondents who provided data



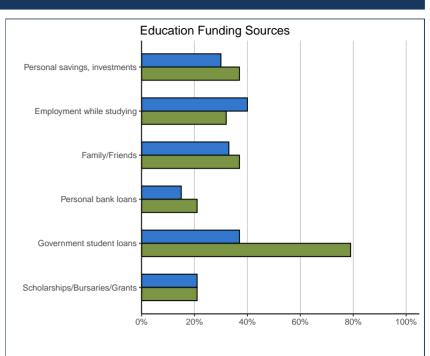
<sup>\*</sup> Includes only cases where financial debt was incurred

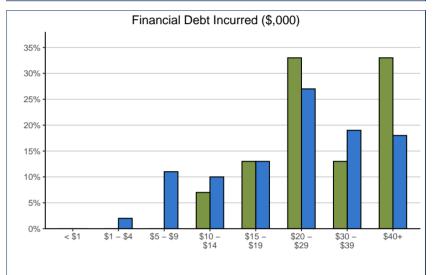


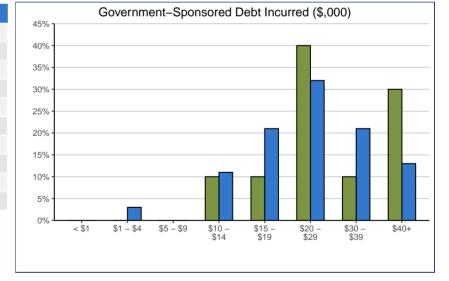
<sup>\*</sup> Includes only cases where government-sponsored debt was incurred

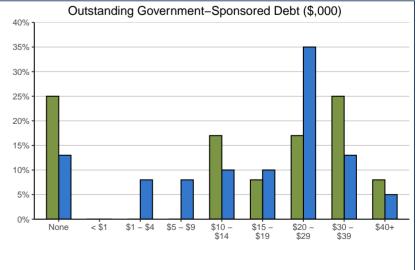


<sup>\*</sup> Includes only cases where government-sponsored debt was incurred, and valid "amount remaining" was provided









<sup>\*\*</sup> Median amounts shown are based on those who had remaining government student loan debt