Career Mapping: Expanding Innovative Pathways for Employment Security

Our Response to Research



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Canadian post-secondary (PSE) has not kept pace with the job market or the information students need to plan their education.

> ...needs to identify non-linear pathways that link PSE programs to viable, creative, and innovative occupations; and how best to match program selection and learning with personal skills, abilities, and professional interests (Coates, 2015).

⁶⁶We have little hard data on our own students' successes – the province wide aggregate of "related" fields is less than useless, especially since it is based on very few respondents. Students want to know what graduates of the precise program they are considering have done with the credential. This is difficult research but what is needed. [Survey Comment Douglas College & SFU]

⁶⁶Students need to know what is behind the NOC asterisk & how students from programs got to explicit occupations. [Survey Comments UFV]



1. Reliable, Realistic, & Connected Career Information

"Career information – it's becoming an increasing concern and interest for students and parents. Although we do have resources on campus, it's becoming information that is asked for all the time and to all of advisors" [Survey comment].





Pan-Canadian Advising Survey, Pardy et al., 2018



Students engage when their learning is related to their career goals.

Faculty are the first place students look for career advice.

Faculty are among the top reasons students persist.



Less Stressed



Statistics Canada's National Graduate Survey 2013 and its 2011 National Household Survey to investigate the further study and employment destinations of Canadian college and university graduates.

Outcomes differ markedly by field but for unregulated fields, the proportion of graduates who proceed to further study or employment in the same field is much lower than commonly assumed.

This has implications for student services, for curriculum and for the design of pathways between study and work.

Moodie, G. (2017). Presented Canadian Institutional Research & Planning Assoc.



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Shaping Post-Secondary Education













https://www.census.gov/dataviz/visualizations/stem/stem-html/



Undergraduate

Anthropology

Gender and Women's Studies

Geography

Indigenous Studies

Undergraduate Student Resources ANTHROPOLOGY

Bachelor of Arts (BA)

Study humankind, including our similarities and differences, through all facets of society and culture.

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		 Advocate Archaeological technician Assistant language instructor Bilingual/bicultural program specialist Collections manager Communications officer Community development officer Community support worker Cultural consultant to police Cultural resource manager Curator Environmental research assistant Exhibit assistant 	 Foreign service officer Forensics assistant Fundraising consultant Health researcher Heritage interpreter Immigration services consultant Impact assessor International student advisor Manager, cultural business council Map and aerial photo interpreter Market researcher Media development Multicultural education specialist Museum and gallery assistant 	 Outreach assistant Park interpreter Policy analyst Policy researcher Project officer, urban Aboriginal strategy Public health educator Research analyst Sales representative Social development advisor Social impact analyst Strategic planning advisor Tourism research Travel agent/guide /consultant Travel or technical writer Urban planner 		

Advisors still don't have the information to link learning to career opportunities.

Missing Piece of the Puzzle

1: Maps to show career paths from program.

2: Advice on how to plan

3: Alternative Job Titles

Students need to develop the mindsets, skills and knowledge practices that prepare them for a future characterized by complexity, uncertainty and change.

Especially for Arts & Science Grads

Both Faculty and Students Need Information & Maps That:

 Direct Occupational Connections = Education, Skills + Awareness

- 2. Demonstrate Intentional Pathway Building = Entry to Practice:
 - Portfolio Path
 - Regulated Profession Path
 - Employer-Led Path

Five Pathways for Arts Grads



Research To-Date



The credit for employment on the first four pathways goes to the finishing part of the studies and not the Arts which provided the foundation for success.

The fifth avenue is often the route we hear about when grads say their Arts Degree is low paying, offering no chance for advancement.

"Test Drive Example"

Traditional Outcomes/WorkBC Approach

For a History Major:

- 1. NOC 0431: Commissioned Police Officer
- 2. NOC 1254: Statistical officers and related research support
- 3. NOC 4164: Social policy researchers, consultants & program officers
- 4. NOC 4169: Other professional occupations in social science

Do you think faculty see these related to their field?

Is this realistic advice to give a student interested in history?

As a student would you see hope?

Career Mapping Results for <u>History Grads</u>

Mapping Term	Number of NOCs
Go: Education Ready for Employment	72
Hybrid: Training/Experience in Addition To	25
Plus 1. Credential Needed (i.e., certificate, professional studies, grad work)	28
Plus 2. Credentials Needed (i.e., certificate, professional studies, grad work)	4
MBA Re-direct – non-Business student access	5
Pre-requisite Courses + Plus 1 Credential Needed	24
Pre-requisite Courses + Plus 2 Credential Needed	4

Career Mapping Occupations Examples

For a History Major:

- 1. NOC 0014: Director Non-profit = Go
- 2. NOC 1123: Information Specialists = Go
- 3. NOC 1113: Mutual Fund Sales Rep. = Go
- 4. NOC 1312: Insurance Claims Adjuster = Go
- 5. NOC 0511: Archive Manager = +1
- 6. NOC 4164: Diversity Officer = Go
- 7. NOC 5122: Acquisitions Editor/Officer = Go
- 8. NOC 1122: International Trade Specialist = +1

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Working with UFV to change how we plan careers & to illustrate the potential of degrees to careers –

Career Mapping

References

Coates, K. (2015). *Career ready: Towards a national strategy for the mobilization of Canadian potential*. Ottawa, CA: Canadian Council of Chief Executives.

Moodie, G. (2017)

Pardy, L. (2016). *Academic advising in British Columbia*. Vancouver, BC: British Columbia Council on Admissions and Transfer.