



Higher Education
Quality Council
of Ontario

An agency of the Government of Ontario

The State of Entrepreneurship Education in Ontario's Colleges and Universities – Appendix

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Published by

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Cite this publication in the following format:

Sá, C., Kretz, A., & Sigurdson, K. (2014). *The State of Entrepreneurship Education in Ontario's Colleges and Universities – Appendix*. Toronto: Higher Education Quality Council of Ontario.



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Appendix A: List of Courses Identified in Environmental Scan

Undergraduate	Number	Undergraduate	Number
Introduction/Principles of entrepreneurship	13	Corporate entrepreneurship	1
New venture creation and development	11	Global entrepreneurship	1
Entrepreneurship strategy	8	Practicum	1
Finance for entrepreneurs	7	Marketing	1
Small/family business entrepreneurship	6	Human resources	1
Business plan development	4	Entrepreneurship for scientists	1
Entrepreneurship management/leadership	3	Applied research	1
Innovation management	3	Cultural entrepreneurship	1
Technological entrepreneurship	2	Entrepreneurship for art and design students	1
Entrepreneurship for engineers	2	Entrepreneurship organizational appraisal	1
Topics in entrepreneurship	2	Social entrepreneurship	1
Graduate	Number	Graduate	Number
Technological entrepreneurship	6	Management/leadership	1
Finance for entrepreneurs	6	International marketing for Entrepreneurs	1
Entrepreneur strategy	3	Global entrepreneurship	1
Introduction/Principles of entrepreneurship	4	Accounting for entrepreneurs	1
Social entrepreneurship strategy	4	Entrepreneurship for engineers	1
Innovation management	3	Marketing for entrepreneurs	1
New venture creation	4	Business plan development	1
Introduction/Principles of entrepreneurship	2	Topics in entrepreneurship	1
Corporate entrepreneurship	2		

College Course Topic Area	Number	College Course Topic Area	Number
Introduction to/Principles of entrepreneurship	28	Topics in small business	3
Entrepreneurship (professional practice)	20	Entrepreneurial management	3
Business plan development	15	Entrepreneurship (photography)	2
Small business	13	Entrepreneurship (fashion and cosmetics)	2
Marketing for entrepreneurs	10	Entrepreneurship (web applications for mobile devices)	2
New venture creation	8	Entrepreneurship (agriculture/horticulture)	2
Social entrepreneurship	7	Taxation for entrepreneurs	2
Global entrepreneurship	7	Innovation management	2
Entrepreneurship project/practicum/internship	6	Accounting for entrepreneurs	
Entrepreneurship strategy	6	Corporate entrepreneurship	1
Entrepreneurial finance	5	Entrepreneurial case studies	1
Entrepreneurship (fitness and health)	4	Entrepreneurship legal issues	1
Entrepreneurship (sports and recreation)	4	Entrepreneurial presentation	1
Entrepreneurship (salon management)	4	Public relations for entrepreneurs	1
Entrepreneurship (media industry)	3		
Business design (hospitality, tourism and leisure)	3		

Appendix B: List of Ontario Universities and Colleges

Ontario colleges

- Algonquin College of Applied Arts and Technology
- Cambrian College of Applied Arts and Technology
- Canadore College of Applied Arts and Technology
- Centennial College of Applied Arts and Technology
- Collège Boréal
- Conestoga College Institute of Technology and Advanced Learning
- Confederation College of Applied Arts and Technology
- Durham College of Applied Arts and Technology
- Fanshawe College of Applied Arts and Technology
- Fleming College of Applied Arts and Technology
- George Brown College of Applied Arts and Technology
- Georgian College of Applied Arts and Technology
- Humber College Institute of Technology and Advanced Learning
- La Cité collégiale
- Lambton College of Applied Arts and Technology
- Loyalist College of Applied Arts and Technology
- Mohawk College of Applied Arts and Technology
- Niagara College of Applied Arts and Technology
- Northern College of Applied Arts and Technology
- St. Clair College of Applied Arts and Technology
- St. Lawrence College of Applied Arts and Technology
- Sault College of Applied Arts and Technology
- Seneca College of Applied Arts and Technology
- Sheridan College Institute of Technology and Advanced Learning

Ontario universities

- Algoma University
- Brock University
- Carleton University
- Lakehead University
- Laurentian University
- McMaster University
- Nipissing University
- OCAD University
- Queen's University
- Ryerson University
- Trent University
- University of Guelph
- University of Ontario Institute of Technology
- University of Ottawa
- University of Toronto
- University of Waterloo

- University of Windsor
- Western University
- Wilfrid Laurier University
- York University

Note: List extracted from Ministry of Training, Colleges and Universities webpage on January 30, 2014. See <http://www.ontario.ca/education-and-training/go-college-or-university-ontario>

Appendix C: Questionnaire

The State of Entrepreneurship Education in Ontario Postsecondary Education

Welcome to the *State of Entrepreneurship Education in Ontario Postsecondary Education Survey*. This survey is part of a study supported by the Higher Education Quality Council of Ontario and is one of a series of research projects targeting current and pressing policy issues. The purpose of the survey is to assess entrepreneurship education programs in Ontario's universities and colleges, by looking at program design, operation, and evaluation. This project takes a wide view of entrepreneurship education programs as encompassing any activity intended to support student entrepreneurship. This includes curricular offerings such as courses, specializations, and degree programs, as well as extracurricular activities such as start-up workshops, mentoring programs, venture accelerators and incubators, among others.

1. Please select your institution from the scroll down bar below.
2. From the list below, please select the descriptors that best describe the entrepreneurship education program(s) under your direction.
 - Degree Program
 - Certificate Program
 - Diploma Program
 - Course in Entrepreneurship
 - Mentorship Program
 - Non-Credential Training Program
 - Networking Program
 - Business Assistance Program
 - Business Accelerator Program
 - Business Plan Competition
 - Residence / Living Learning Community
 - Internship Program
 - Other, please specify
3. Please write in the name of the [selection from question 2] in the space below.
4. In what year was the [selection from question 2] under your direction introduced? [Drop-down box]
5. Approximating how many faculty, including yourself if applicable, are actively involved in the [selection from question 2] under your direction (e.g. teaching and mentoring students, running networking sessions, etc.)?
 - 1
 - 2
 - 3
 - 4
 - 5
 - 6

- 7
 - 8
 - 9
 - 10
 - 11
 - 12
 - 13
 - 14
 - 15+
6. Where is the [selection from question 2] under your direction based?
- A business/management faculty
 - An engineering faculty
 - A faculty other than business and engineering
 - A technology transfer office, or similar administrative unit
 - An entrepreneurship center
 - An independent entrepreneurship program
 - None of the above: (explain)
7. What is your best estimate of the [selection from question 2] annual operating budget (excluding salaries and benefits)? Please add any clarifying details in the space below.
[Drop-down box]
- Under \$1,000
 - \$1,000 – \$5,000
 - \$5,000 – \$25,000
 - \$25,000 – \$50,000
 - \$50,000 – \$75,000
 - \$75,000 – \$100,000
 - \$100,000 – \$150,000
 - \$150,000 or more
8. Approximately how many students are currently active in the [selection from question 2] under your direction? (If the program is between sessions, please use the number of participants that completed the last session/cohort.)
- 1–9
 - 10–19
 - 20–29
 - 30–39
 - 40–49
 - 50–59
 - 60–69
 - 70–79
 - 80–89
 - 90–99
 - 100–109
 - 110–119
 - 120–129

- 130–139
 - 140–149
 - 150+
9. Please indicate the duration of one typical cycle or cohort of the [selection from question 2], or write 'ongoing' if appropriate.
10. From where does the program under your direction receive funding (select all that apply)? In the space next to your response please also indicate the percentage of your total budget stemming from each option(s) selected.
- University/faculty/department funds [space for percentage]
 - Endowment [space for percentage]
 - Provincial funds [space for percentage]
 - Grants and contracts [space for percentage]
 - Private donations/sponsorship (monetary) [space for percentage]
 - Private donations (in-kind, i.e. software licenses, speakers fees, office space) [space for percentage]
 - Attendance fees [space for percentage]
 - Membership fees [space for percentage]
 - Other, please specify: [space for percentage]
11. Is the program under your direction for college or university students? Please provide an estimated breakdown of the participants by type:
- Current university or college students (graduate or undergraduate): %
 - University or college alumni: %
 - University or college faculty and staff: %
 - Non-university community: %
12. Are there fees charged for participation?
- Yes
 - no
- [if Yes, participants will be brought to the next question]
13. Please select the type of fee from the options below.
[Select One]
- Program tuition [enter amount]
 - Course fee [enter amount]
 - Participation or attendance fee [enter amount]
 - Membership fee [enter amount]
 - Rent [enter amount]
 - Service fee [enter amount]
 - Other, please specify: [enter amount]

14. How important are the goals below to the priorities of the [selection from question 2]? [Response options: very important, important, somewhat important, not at all important]
- Imparting entrepreneurship knowledge and skills
 - Fostering lifelong learning
 - Engendering entrepreneurial attitudes and culture
 - Providing experience in entrepreneurship
 - Developing business plans
 - Directly supporting the creation of new ventures
 - Directly supporting the growth of existing ventures
 - Facilitating professional/entrepreneur networking
 - Generating revenue for the program or institution
 - Enhancing the local economy (i.e., the creation of jobs)
15. How is the [selection from question 2] evaluated? [select all that apply]
- It is not evaluated in any systematic way
 - Informally through voluntary feedback from participants, casual conversations
 - Through the institution's normal academic program review mechanism
 - Through an institutional review mechanism for non-academic programs
 - Periodical program self-assessment
 - Post-course/event satisfaction surveys
 - Economic or social impact assessment study
 - Other, please specify:
16. From where is the evaluation of the [selection from question 2] coordinated? [select all that apply]
- The program itself
 - The home academic unit
 - The technology transfer office
 - The entrepreneurship center
 - An advising board or equivalent
 - Other, please specify:
17. Which indicators or measurements are used to evaluate the impact of the [selection from question 2]? [select all that apply]
- Learning outcomes
 - Attitudinal outcomes (i.e. risk-taking behavior, entrepreneurial outlook)
 - Participant satisfaction
 - Venture creation (number of companies)
 - Equity creation (value of companies created or grown)
 - Job creation
 - Economic impact on local community
 - Other, please specify:
18. How the results are used? [open response]. Please upload or provide a link to any relevant documents that may help us to understand the results and outcomes of program evaluations.

19. What importance does the [selection from question 2] assign the outcomes listed below when measuring program success? [Response options: very important, important, somewhat important, not at all important]
- Learning outcomes
 - Attitudinal outcomes (i.e. risk-taking behavior, entrepreneurial outlook)
 - Participant satisfaction
 - Venture creation (number of companies)
 - Equity creation (value of companies created or grown)
 - Job creation
 - Economic impact on local community
 - Other, please specify:



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