

Report on Certificates (Not-for-Credit) 2019-20

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
Dalla Lana School of Public Health	Fellowships in Global Journalism		This not-for-credit program combines courses in journalism, freelancing and global affairs with mentorship opportunities to produce experienced global correspondents with increased depth within their own speciality. The program includes a “boot camp” on journalism fundamentals, mentored freelancing with major media, classes and post-program coaching. The certificate was administratively transferred from the Faculty of Arts and Science to the Dalla Lana School of Public Health as of July 1, 2019.	2016
Dalla Lana School of Public Health	Certificate in Health Impact		<p>This not-for-credit program is part of the Fellowships in Global Journalism program and uses the same program features — a “boot camp” on journalism fundamentals, mentored freelancing with major media, classes and post-program coaching — with a focus on enhancing the public conversation on health and health policy.</p> <p>This not-for-credit program is in partnership with the Dalla Lana School of Public Health and the Faculty of Medicine. The certificate was administratively transferred from the Faculty of Arts and Science to the Dalla Lana School of Public Health as of July 1, 2019.</p>	Fall 2018
Faculty of Arts and Science	The Writer-In-Residence Non-Credit Creative Writing Seminar	Department of English	The Jack McClelland Writer-in-Residence offers a weekly non-credit creative writing seminar on poetry through the Winter 2017 term, open to a maximum of 15 participants.	2017

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Faculty of Arts and Science	Global Ideas Institute	Munk School of Global Affairs and Public Policy	<p>The Global Ideas Institute (GII) selects one global development challenge for the year-long program and gives high school students an opportunity to have a university experience by receiving an experts lecture series. During the breakout sessions, U of T students work as mentors to teach about learning, asking questions, discussing the challenge and to be audacious to come up with solutions. The program culminates in an all-day symposium with a postering exhibition. The students present their findings and solutions to their teachers, peers and special guests.</p> <p>This not-for-credit program is in partnership with the University of Toronto Schools, Learning Partnership Canada, and the Rotman I-Think Initiative.</p>	Fall 2011
Faculty of Dentistry	Certificate Course in Dental Practice Management	Continuing Dental Education	This comprehensive program in dental practice management has been designed to provide the entire dental team with the tools required to understand and implement proven strategies for operational effectiveness and real life business principles specifically for dentistry. The certificate is 10 Saturday sessions over two semesters.	2004
Faculty of Medicine ¹	New and Evolving Academic Leaders (NEAL) Program	Centre for Faculty Development	The program is comprised of three four-day modules, with a goal is to foster a productive, visionary and collaborative academic leader in the Academic Health Science Network. Participants develop the mindsets and capabilities to successfully lead their division,	2013

¹ The Faculty of Medicine not-for-credit programs are reviewed and accredited by the Office of Continuing Professional Development (CPD). The majority of programs are developed and delivered by clinical departments in the Faculty of Medicine. CPD is fully accredited by the Committee on Accreditation of Continuing Medical Education (CACME), a subcommittee of the Committee on Accreditation of Canadian Medical Schools (CACMS). This accreditation standing allows CPD to review and accredit educational activities based on the criteria established by the College of Family Physicians of Canada and the Royal College of Physicians and Surgeons of Canada (RCPSC). CPD, with other Canadian Medical Schools, are represented in reciprocal accreditation agreements between RCPSC and the American Medical Association (AMA), and the European Union for Medical Specialties (EUMS). These agreements allow for physicians who had participated in select CPD U of T accredited learning activities to earn up to the maximum credits that have been assigned, via a conversion process through their respective associations. In some Certificate of Completion programs, other health-care professionals who are not required to report or earn physician-based credits are eligible upon completion of all necessary requirements to receive a Certificate of Completion for their personal learning portfolios.

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			program, research, education or other academic unit and help enable the success of their academic teams.	
Faculty of Medicine	Stepping Stones Teacher Development Certificate Program	Centre for Faculty Development	This program is designed for those interested in an immersion in teacher training and exploration of educator roles. It consists of a series of (27-30) half-day workshops and a journal club that focuses on key issues in health professional education.	2008
Faculty of Medicine	Collaborative Change Leadership Program	Centre for Interprofessional Education	This is an advanced leadership program designed for leaders who are driven to engage communities in a meaningful way and to create and sustain system change. It covers a nine-month period with five two-day, face-to-face sessions and blends these intensive sessions with coaching from faculty within and between sessions. Additional coaching and learning is promoted via an online platform and community of practice.	2012
Faculty of Medicine	EHPIC — Advancing the Future of Healthcare through Interprofessional Learning Certificate	Centre for Interprofessional Education	This 39.5-hour certificate program aims to develop leaders in interprofessional education who have the knowledge, skills and attitudes to teach both learners and fellow colleagues the art and science of working collaboratively for patient-centred care.	2011
Faculty of Medicine	Certificate Program in International CPD Foundations Program	Continuing Professional Development	This program provides fundamental theory and skills training needed to ensure effectiveness and success of continuing professional development (CPD) activities. As a webinar-based program, consisting of ten 1.5-hour sessions, participants will have an opportunity to learn from leading experts in the field and share their experiences with an international audience of learners.	2015

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Faculty of Medicine	The Five Weekend Care of the Elderly Certificate Program	Department of Family and Community Medicine	The program curriculum is delivered on five weekends over approximately six months. Each weekend focuses on a different theme including cognitive impairment, gait disorders, mental health and pain management, geriatric medical problems and failure to thrive. Participants complete written assignments between weekend sessions, which involve self-reflection on how the new knowledge and skills gained through the course will be incorporated in the management of elderly patients in their practices.	2014
Faculty of Medicine	Clinical Research Certificate Program	Department of Family and Community Medicine	This is an eight- to ten-month program in research techniques for primary health-care providers comprising three taught components and a supervised research practicum.	2013
Faculty of Medicine	Interprofessional Applied Practical Teaching and Learning in the Health Professions (INTAPT) Certificate Program	Department of Family and Community Medicine	The goal of this program is to provide applied teaching and learning study in a distance-accessible part-time format for health practitioner educators. Class sessions with small and large group interactive teaching are followed by home study to complete assigned readings and group projects.	2015
Faculty of Medicine	Medical Education Fellowship Certificate Program	Department of Family and Community Medicine	The Medical Education Fellowship is offered over a one- to two-year period. It is a rigorous advanced professional development program intended to strengthen the practice of medical education by developing leadership, teaching, curriculum design and education research skills of practitioners.	2013

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Faculty of Medicine	AIEC Cardiac CT Certificate Program	Department of Medical Imaging	This intensive five-day program is designed to provide a focused, comprehensive and in-depth learning experience principally in cardiac CT with a ratio of one instructor to four students. The curriculum format assumes no prior knowledge and will accommodate trainees with varying levels of experience.	2013
Faculty of Medicine	Advanced Clinical Practitioner in Arthritis Care Certificate Program	Department of Medicine	The Advanced Clinician Practitioner in Arthritis Care (ACPAC) Program is a unique post-licensure academic and clinical educational program that prepares experienced physical therapists, occupational therapists and nurses for extended practice roles using advanced knowledge and skills training in the diagnosis and management of patients with arthritis. It consists of five intensive on-site weeks interspersed with advanced clinical training and self-directed learning opportunities.	2005
Faculty of Medicine	Certificate Program in Patient Safety and Quality Improvement	Department of Medicine	The program, which is offered over the course of 19 weeks, teaches concepts of patient safety and quality improvement using didactic and interactive sessions followed by an evaluative presentation of a project.	2013
Faculty of Medicine	Advanced Training Program in Psychoanalytic Psychotherapy (ATPPP) Certificate Program	Department of Psychiatry	The ATPPP is offered as a two-year program of integrated seminars and case supervision by psychoanalysts. It is based on a tri-partite model of didactic lectures, clinical supervision and personal psychotherapy. It is designed to help front-line mental health professionals apply knowledge and clinical techniques from psychoanalysis to their work with patients and clients.	2005

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Faculty of Medicine	Certificate Program in Health Equity and Diversity	Department of Psychiatry	The Certificate Program aims to provide CAMH staff with a fundamental knowledge and skills needed to plan and implement equitable mental health and addiction programs and services. It consists of six in-class workshops and two online programs. Participants must complete a minimum of 39 hours of training to obtain the Certificate of Completion in Health Equity and Diversity.	2013
Faculty of Medicine	Computing for Medicine (C4M)	Undergraduate Medical Education	This program aims to provide introductory computing in a medicine context to first-year MD students with little to no computer programming experience. The program consists of three phases: a coding boot camp, further coding exercises and seminars that focus on knowledge application.	2018
Faculty of Medicine	Concurrent Disorders Certificate Program	Department of Psychiatry	This program is designed to help participants gain skills and knowledge to better identify, assess and provide treatment to people with concurrent disorders. This program requires the completion of a core program followed by two electives, plus a learning contract assignment. All the components are offered online.	2014
Faculty of Medicine	Knowledge Translation Professional Certification Certificate Program	Department of Psychiatry	The Knowledge Translation Professional Certificate (KTPC™) is a five-day professional development program, which aims to develop the competencies of KT professionals (knowledge brokers, KT specialists, etc.) working across all disciplines and sectors. KTPC includes numerous opportunities for networking both during and after the program.	2011
Faculty of Medicine	Mindful Psychotherapy Certificate Program	Department of Psychiatry	This interactive, didactic and experientially grounded six-day skills-based workshop focuses on using mindfulness and self-compassionate awareness in psychotherapy. Participants must attend 20 hours of longitudinal clinical supervision. Evaluation includes supervisor ratings of knowledge, skills and psychotherapeutic competence.	2014

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Faculty of Medicine	Narrative Health-Care Atelier and Certificate Program	Department of Psychiatry	This four-day intensive, didactic, interactive program is followed by a longitudinal project supervision. The workshops review narrative theory and practice in the context of interprofessional health care and education.	2015
Faculty of Medicine	Opioid Dependence Treatment Certificate Program	Department of Psychiatry	This program consists of a core component and two or three electives. It aims is to prepare physicians, pharmacists, nurses and counsellors to provide a comprehensive range of services for people with opioid dependence. By the end of this program, participants will demonstrate enhanced clinical knowledge and skills in screening and assessing; determining treatment approaches; counselling and safe prescribing; and dosing and dispensing of methadone and buprenorphine.	2008
Faculty of Medicine	Training Enhancement in Applied Cessation Counselling and Health (TEACH) Certificate Program	Department of Psychiatry	The Training Enhancement in Applied Cessation Counselling and Health (TEACH) curriculum consists of a Core program, an online prerequisite and a Specialty program, totalling 43.5 hours. The focus is on both theoretical knowledge and clinical skills. Candidates are required to complete a pre- and post-learning assessment per component, and emphasis is placed on advancing change in clinicians' behaviour post-training.	2008
Faculty of Medicine	The Evidence-Based Psychotherapist Certificate Program	Department of Psychiatry	This interactive program aims to facilitate improved therapeutic outcomes in difficult treatment situations through application of an integrative model and common therapeutic factors. Its format features a combination of didactic presentation and group learning with demonstration and direct application utilizing standardized patients.	2015

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Faculty of Medicine	Practicing Knowledge Translation Certificate Program	Institute of Health Policy, Management and Evaluation	The Practicing Knowledge Translation (PKT) program is a three-month interactive web-based program that includes a three-day in-person workshop. Both the online webinars and the in-person workshop use didactic methods of instruction, interactive activities and independent assignments that work toward building participants' knowledge and skills related to KT theories and practices.	2016
Faculty of Medicine	Education Scholars Certificate Program	Centre for Faculty Development	This two-year (248.5-hour) faculty development program is designed for faculty in the health sciences to facilitate their professional development as health professional educators in the areas of education scholarship, leadership, teaching excellence and faculty development. Over the duration of the program, scholars engage in weekly class preparation and complete assignments and projects that are directly relevant to their educational practices.	2008
Faculty of Medicine and Dalla Lana School of Public Health	International Interprofessional Wound Care Certificate Program	Dalla Lana School of Public Health	The International Interprofessional Wound Care Certificate (IIWCC) is a one-year program consisting of two four-day compulsory residential weekends, 14 self-study modules and a selective related to each registrant's day-to-day activities. The aim of this program is to train health professionals who are delivering wound care in practice to provide scientific grounding in the elements of wound healing science, establish interdisciplinary wound healing provision as a field of specialty and to translate new knowledge into practice.	1999

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Faculty of Medicine and Dalla Lana School of Public Health	IDEAS — Advanced Learning Certificate Program	Institute of Health Policy, Management and Evaluation	This is a five-month program with seven in-class days and two days of virtual and eLearning (66.0 hours). The purpose of the advanced curriculum is to provide the requisite knowledge base and tools that will enable participants to conduct high-impact clinical improvement projects, manage and integrate non-clinical processes and lead quality improvement and change management initiatives. Learners are evaluated based on an oral presentation, a poster presentation and the demonstrated progress of their project.	2013
Faculty of Medicine	Leading and Influencing Change Certificate Program	Continuing Professional Development	The program consists of two full weeks of instruction with approximately six months in between for completion of a personal project and application/integration of learning. Participants will have projects to complete and virtual meetings with mentors during the six-month implementation phase.	2018
Faculty of Medicine	The Excellence in Quality Improvement (EQUIP) Academic Certificate Program	Department of Medicine	The EQUIP program uses a mix of didactic and interactive small group sessions to address the specific learning needs of faculty members working in academic settings (i.e., academic medical centres, teaching hospitals, ambulatory teaching clinics and other related clinical learning environments) by training them to be academic quality improvement (QI) faculty champions and help academic departments and universities address the pressing need to develop capacity in QI.	2017

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Faculty of Medicine	Sick Kids Teaching Scholars Program (TSP) 2018-2019	Department of Paediatrics	The TSP is designed to enhance the teaching skills of health-care professionals who have, or will have, a mandate to support learners within their role, and to develop expertise in education. The program will focus on the essentials of adult learning and teaching. The foci of this program include effective education design; clinical teaching strategies and knowledge transfer approaches; program evaluation and learner assessment; and promotion of interprofessional education and collaborative care.	2015
Faculty of Medicine	Administration of Repetitive Transcranial Magnetic Stimulation (rTMS) for Psychiatric Disorders Certificate	Department of Psychiatry	Advanced Certificate (> 80 hours). A three-week intensive training program for rTMS technicians. Attendees will learn about evidence-based treatments for psychiatric disorders using rTMS, and they will receive substantial hands-on experience shadowing technicians and learning to administer rTMS.	2019
Faculty of Medicine	Leadership Certificate Program	Department of Family and Community Medicine	This program is an opportunity for participants to develop their ability to influence others by building respectful relationships and trust. Starting with the foundation of increasing self-awareness, participants can choose from a number of workshops that explore effective communication, conflict resolution, change management, strategy and coaching skills. At the end of this program, participants will have a better understanding of how to lead themselves, others, teams and organizations.	2019

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Ontario Institute for Studies in Education (OISE)	Adult Learning and Development — Certificate of Completion ²	Continuing and Professional Learning	<p>The Adult Learning and Development Program is designed for education professionals who wish to advance their knowledge and skills of workplace learning methods and practices. The program achieves this professional learning need by providing the best balance of adult learning and development theory with existing and emerging workplace learning practices. Education professionals who participate in this program will complete four compulsory course offerings and one elective course offering to achieve an OISE Continuing and Professional Learning Certificate of Completion.</p> <p>4 compulsory courses: Introduction to Adult Learning; Needs Analysis; Evaluation; and Instructional Design.</p> <p>1 elective course: Writing for Learner Engagement; Online Learning Environments; or Facilitation Skills.</p>	09/01/2011

² OISE Continuing and Professional Learning recognizes the learning achievement of education professionals who complete courses and programs with two certificate types: (a) Recognition of Achievement, which requires a minimum of 21 to a maximum of 43 instructional content hours; and (b) Certificate of Completion, which requires a minimum of 43 to a maximum of 144 content hours as well as program learning objectives which evolve across the spectrum of conceptual, procedural and metacognitive learning.

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Ontario Institute for Studies in Education (OISE)	Bereavement Education — Certificate of Completion	Continuing and Professional Learning	<p>The experience of death is difficult and cannot be avoided. We are often too involved or overwhelmed by our feelings to tap into the spiritual and emotional potential of this experience. We may deny the loss, avoid our feelings or pretend it does not matter. Not attending to these changes in life can lead to possible complications in the quality of one's life.</p> <p>A Bereavement Educator will be able to: teach coping skills for healing and growth; educate volunteers in grief support; support and facilitate grief groups; plan workshops and presentations for public education; discuss the impact of loss and grief on health; explain the impact of loss and grief in the family and workplace; recognize and respond to the needs of grieving individuals.</p> <p>6 compulsory courses: Introduction to Bereavement Education and the Grieving Process; Trauma and Grief Throughout the Lifespan; Spiritual, Philosophical and Cultural Issues in Grief and Trauma; Variables and Risks that Affect Trauma and Grief; Families Coping with Trauma and Grief; Special Losses/Support and Healing Groups.</p>	09/16/2016

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Ontario Institute for Studies in Education (OISE)	Brief Coaching — Certificate of Completion	Continuing and Professional Learning	<p>Coaching is an integral component of learning development practices and is a critical skill for developing, engaging and advancing professionals in the workplace. For workplace leaders, applying effective coaching methods can advance not only the capacity and capability of a team but also the capacity and capability of a leader. Upon completion of this program, participants will be able to apply Brief Coaching techniques to a variety of contexts by leading all phases of a coaching engagement.</p> <p>The Brief Coaching certificate program is designed for professionals across all sectors who wish to advance their knowledge and practice in coaching.</p> <p>This program includes three core courses, taken sequentially, each 24 hours in duration with a blend of in-class and online delivery.</p> <p>3 compulsory courses: Foundations of Brief Coaching; Applications of Brief Coaching; Coaching Masterclass.</p>	01/07/2017
Ontario Institute for Studies in Education (OISE)	First Nations Schools Principals' Course — Certificate of Completion	Continuing and Professional Learning	<p>The First Nations Schools Principals' Course is designed for Principals, Vice-Principals and aspiring school leaders on reserve schools to develop educational leadership skills and school improvement strategies. The curriculum includes readings, resources, discussions and case studies directly related to working in Band-operated schools. The program is offered in a blended format, in that it is delivered two days on campus in Toronto, followed by eight months of online learning, including video conferencing, peer networking and practical experience.</p>	09/23/2016

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Ontario Institute for Studies in Education (OISE)	OISE Certificate in International Education for International Baccalaureate (IB) Qualification (Diploma Programme) — Certificate of Completion	Continuing and Professional Learning	<p>The program consists of four online courses including a final capstone project. The first three courses focus on curriculum, pedagogy and assessment. The fourth and final course includes a capstone project which can be completed either in school or as an applied project. To support the application of learning in the capstone project, participants will be paired with a subject-specific mentor who is a practicing IB educator.</p> <p>After successful completion of all four required courses, participants will earn an OISE Certificate in International Education for IB Qualification (Diploma Programme) and be eligible to register for the IB certificate in teaching and learning with the International Baccalaureate Organisation. Each course is 30 learning hours in duration.</p>	12/01/2019
Ontario Institute for Studies in Education (OISE)	Learning Experience Design — Certificate of Completion	Continuing and Professional Learning	<p>User experience (UX) in the technology landscape has emerged as critical for organizations who are serious about engaging their customers in mobile and digital environments. With the influence of technology within the education space, Learning Experience Design is the synthesis of user experience design methodology, instructional systems design and educational pedagogy/andragogy. The Learning Experience Design Program introduces education professionals to the attributes and processes of Learning Experience Design in order to advance their professional skill set for developing learning solutions which produce compelling and engaging learning experiences.</p> <p>3 compulsory courses: Fundamentals of Learning Experience Design; Writing for Learner Engagement; Learning Campaigns: Applying Elements of Learning Experience Design.</p>	01/01/2016

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Ontario Institute for Studies in Education (OISE)	Solution-Focused Brief Therapy (SFBT) — Certificate of Completion	Continuing and Professional Learning	<p>The Solution-Focused Brief Therapy (SFBT) Program is intended to teach solution-building skills at a specialist level. Learners will learn the skills to conduct interviews in which clients’ existing strengths and resources are used to help them find solutions to a wide range of human difficulties. The solution-focused approach represents a paradigm shift from the classical problem-focused and symptom-based, to post-modern solution-focused and strength-based interventions.</p> <p>3 compulsory courses: Foundations, Assumptions, Theory and Skills; Single Session Practicum; Clinical Case Presentation.</p> <p>3 elective courses: Crisis Intervention; Group Applications; Couple and Family; Mindfulness in Solution-Focused Brief Therapy: An Integrated Approach; Child and Adolescent Promoting Post-Traumatic Growth.</p>	09/16/2016
Ontario Institute for Studies in Education (OISE)	Teaching English as a Foreign Language Online (TEFL Online) — Certificate of Completion	Continuing and Professional Learning	<p>The TEFL Online program provides the foundations in Teaching English as a Foreign Language training. The curriculum progresses from the underlying theories of language learning to the creation of learner-centred lessons, and culminates in what K-12 teachers need to know in order to teach abroad. The TEFL courses are designed for educators who wish to teach English in international contexts. There are three certificate courses delivered online (100 hours, 120 hours, 150 hours).</p> <p>100-hour TEFL curriculum The 100-hour TEFL course consists of six core units, as follows:</p>	04/01/2012

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			<ul style="list-style-type: none"> • Unit 1: Introduction to English Language Teaching (10 hours) • Unit 2: Teaching Language Skills (25 hours) • Unit 3: Adapting Subject-Specific Content (10 hours) • Unit 4: Structuring and Delivering Lessons (20 hours) • Unit 5: Managing Your Teaching Environment (25 hours) • Unit 6: Resources and Materials (10 hours) <p>120- and 150-hour TEFL curriculum</p> <p>In addition to the six core units above, candidates in the 120- and 150-hour TEFL courses are required to complete two elective specializations of 10 hours each from the list below for the 120-hour course, and five elective and required specializations for the 150-hour course:</p> <ul style="list-style-type: none"> • Teaching English to Korean Speakers • Teaching English to Arabic Speakers • Teaching English to Mandarin Speakers • Teaching English to Young Learners • Teaching Test Preparation Courses • Teaching Business English • Digital Technology in the Classroom* • Learner-Centred Lessons* • Teaching Abroad* 	

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Ontario Institute for Studies in Education (OISE)	Teaching in Ontario's Catholic Schools — Certificate of Completion	Continuing and Professional Learning	<p>The Teaching in Ontario's Catholic Schools course is open to OISE Teacher Education candidates only — Master of Teaching in Teaching; Child Study and Education; and Concurrent Teacher Education Program. Catholic School Boards require this course as a prerequisite for a job interview and as a condition of employment. There are 3 hours of assignments, 24 hours of in-class instruction and 9 hours of online work.</p> <p>Major themes: History of Catholic Education in Ontario; Catholic Anthropology and Christology; Faith as Revelation and Relationship; Theological Foundations of Catholic Schools; Introduction to Religion and Family Life Programs; Catholic Graduate Expectations; Introduction to Integrated Catholic Curriculum; Introduction to Scripture; Catholic Social Teaching; Morality; Sacraments; Ecclesiology.</p>	09/01/2006
Rotman School of Management	Executive Leadership: Personal	Executive Programs	5 days; Integrative thinking, Innovation collaboration, Emotional Intelligence, Strategy and Advisory Boards.	10/21/2013
Rotman School of Management	Executive Leadership: Organizational	Executive Programs	5 days; the program provides the tools to contribute to strategy; improve the quality of your thinking and decisions; and lead more effectively.	03/24/2014
Rotman School of Management	Strategic Human Resources Leadership	Executive Programs	5.5 days; learn how to align strategy, people, performance and culture while exploring the critical elements of a successful HR strategy. Participants will be better able to articulate and implement that strategy, including by supporting culture change initiatives, succession planning and talent management.	01/13/2014

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Rotman School of Management	Leading Change	Executive Programs	5 days; prepare leaders to succeed at change management with tools for targeting behaviour, design and culture so they can engage teams, influence perceptions and implement lasting change.	04/13/2008
Rotman School of Management	CFO Leadership	Executive Programs	5 days; Leadership in the C-Suite; Strategic Agility and Business Acumen; Managing Key Stakeholder Relations.	06/18/2015
Rotman School of Management	Business Leadership Program for In-House Counsel	Executive Programs	9 days; overview of the essential knowledge and skills required by those who strive to be recognized as strategic business partners within their organizations. The program combines the leading-edge management knowledge from Rotman faculty with the in-house experience of senior General Counsel from across Canada.	10/25/2013
Rotman School of Management	Negotiations	Executive Programs	3 days; the program will guide participants through negotiation exercises beginning with simple situations and culminating in complex group negotiations.	06/08/2015
Rotman School of Management	Financial Literacy and Analysis	Executive Programs	3 days; navigate between strategy and operations using financial statements, and add value to the boardroom and organization. Provide context for the use of financial information and build a framework for strategic thinking based on solid financial measures.	06/03/2005
Rotman School of Management	The Business of Payments	Executive Programs	3 days; gain a solid understanding of the changing context of the payments landscape, and the forces and trends shaping its future. The program focuses on technical solutions combined with management training.	04/29/2019

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Rotman School of Management	Family Wealth Management	Executive Programs	3.5 days; key building blocks and frameworks for successful wealth management, how to create an integrated wealth management strategy that considers the family's complete financial picture and how to avoid common catastrophic mistakes.	10/23/2014
Rotman School of Management	Advanced Health Leadership	Executive Programs	15 days; improve understanding and skills in the areas of leadership, management of change, emotional and political intelligence and Integrative Thinking.	11/12/2007
Rotman School of Management	Health Leadership: Achieving Your Potential	Executive Programs	5 days; learn how successful health leaders design high-performing networks, use tools such as artificial intelligence and big data and examine behavioural economics opportunities.	02/10/2003
Rotman School of Management	Police Leadership	Executive Programs	3 weeks; the program ensures that participants are equipped with the necessary skills and tools to think differently, make better decisions, be better negotiators, communicate more effectively, act with integrity and political astuteness, understand the implications of financial decisions, manage and lead change and contribute to the overall health of the organization.	04/23/2001
Rotman School of Management	Business Design Fundamentals	Executive Programs	2 days; learn and apply industry-leading user-centred design research, prototyping and storytelling methods to real business challenges.	04/29/2019
Rotman School of Management	Artificial Intelligence: An Executive Primer	Executive Programs	2 days; the program focuses on the economics of artificial intelligence (AI) and the implications for business. Learn how to identify opportunities for AI and implement them and discover how to develop strategies with the leadership team for leveraging powerful AI tools.	03/27/2018

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Rotman School of Management	Rotman-ICD Directors Education	Executive Programs	12 days; the program incorporates roundtable discussions, real-time case studies and on-point insights from world-renowned faculty, experts in the field of board behaviours and executives in residence. The goal of the program is to build competencies deemed necessary to be an effective director. Foci: Guiding Strategic Direction and Risks; Monitoring Financial Strategy; Risks and Disclosure; Guiding Human Performance; Assessing Enterprise Risk; Directing Extreme and Unique Events.	11/21/2003
Rotman School of Management	Rotman-ICD NFP Governance Essentials	Executive Programs	2 days; this innovative program provides learning on key accountabilities and responsibilities of not-for-profit leaders. The program is also offered at other leading business schools in Vancouver, Victoria, Calgary, Edmonton, Toronto, Ottawa, Montreal, Halifax, St. John's and Winnipeg.	05/07/2006
Rotman School of Management	ICD Board Effectiveness	Executive Programs	2 days; develop a deeper understanding of how boards function while gaining new insights and building concrete skills to enhance your impact on board decisions. Jointly developed by the Institute of Corporate Directors and the Rotman School of Management, Board Dynamics for Executives delivers a fresh perspective on optimizing board-management effectiveness from the other side of the table.	11/28/2011
Rotman School of Management	Excellence in Executive Leadership Certificate	Executive Programs	Over a three-year period, take three programs — one on executive leadership and two focused programs on strategy or emerging trends — signalling a commitment to leadership excellence.	04/25/2019
Rotman School of Management	The Coaching Habit	Executive Programs	1 day; applying next-day ready tools with real people so when participants return to the office they can increase their team's focus, engagement and impact. Only practice, done in pairs or triads, can get the seven Core Questions ingrained into your management style.	03/23/2017

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			During the practice session, work through real-life business challenges in small groups. After the workshop, participants establish a 108-day follow-up process to help embed their new tools, skills and behaviours.	
Rotman School of Management	Search Inside Yourself	Executive Programs	2 days; the workshop focuses on the five key domains of emotional intelligence: self-awareness, self-regulation, motivation, empathy and social skills — with mindfulness practice, science and leadership applications fully integrated at all levels.	10/18/2013
Rotman School of Management	Playing to Win Workshop	Executive Programs	1 day; by the end of the program, participants will: learn a proven approach to strategy that is used by leading organizations around the world; develop the strategic capability to make better strategic choices for their organization; experience the process of creating a strategy using the Playing to Win framework; be given the Playing to Win Strategy Toolkit as a resource to guide and apply this in the organization; receive coaching in a small group setting, helping to apply the framework when back at work.	03/15/2015
Rotman School of Management	Getting It Done	Executive Programs	1 day; the GettingItDone® management system provides the tools needed to make decisions more effectively; get buy-in from key stakeholders; align teams and increase accountability; coach and mentor reports; plan and run fast, efficient meetings without wasting time.	03/31/2017
Rotman School of Management	Pension Governance Education Program	Executive Programs	4.5 days; developed by ICPM and the Rotman Executive Programs at the University of Toronto, the program instills best practices in key areas such as organizational mission, fiduciary duties, investment styles, risk management and human resources management.	11/25/2019

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Rotman School of Management	Public Sector Leadership Program	Executive Programs	15 days; the program is aligned with the various priority areas of the OPS Leadership Framework (Connects, Delivers, Inspires, Transforms, Integrity and Self Awareness). It is enhanced by tapping into relevant elements of the Rotman executive development curriculum with learning broadened and deepened by exposure to a careful selection of leading public and private sector leaders who bring unique perspectives to the learning.	02/28/2013
Rotman School of Management	CIRI-Rotman Investor Relations Certification	Executive Programs	5 days; developed in partnership with the Canadian Investor Relations Institute (CIRI), the Investor Relations (IR) Certification Program covers all relevant areas of the multidisciplinary role of IR, including capital markets, corporate governance, securities law, finance and communications. The program also covers current IR challenges to meet the evolving demands on today's IR professionals.	01/28/2020
School of Continuing Studies (SCS)	Academic English	English Language Program	<p>Improve your prospects for post-secondary success. Satisfy the language requirements for admission to most degree programs at the University of Toronto. Develop your ability to effectively communicate in an academic environment.</p> <p>This rigorous certificate program brings together highly motivated students who want to improve their use of academic English. It has helped non-native English speakers from more than 55 countries strengthen their skills for real-world academic situations. Students will get personalized feedback to develop the skills needed to share academic ideas and communicate in an academic context. Enjoy access to University of Toronto libraries, computer systems, events and many services while studying at one of the world's best universities.</p>	06/12/2002

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Accounting — Level 1	Business and Professional Studies	<p>Correctly interpret accounting and financial statements. Make better business decisions based on proven accounting principles.</p> <p>This introductory certificate covers the basic principles of accounting. Learn how to measure and report financial transactions and study business applications for accounting theory. Emerge with a broad overview of economic theories — both micro and macro — and know how to apply them to current issues. Students will be introduced to the Canadian legal landscape as it applies to the administration of business. Students will expand their working knowledge and professional competencies and better prepare themselves for a career in public accounting, business, finance, government and the not-for-profit sector.</p>	11/13/2008
School of Continuing Studies (SCS)	Accounting — Level 2	Business and Professional Studies	<p>Learn more advanced accounting, management and statistical techniques. Improve business performance through more accurate data measuring and reporting.</p> <p>Students learned the basics of accounting in earning their Level I certificate. In Level II, they will expand their knowledge and skill and improve their prospects for a rewarding career in accounting. Learn what managers need to know about finance and accounting. See how data are used for planning, controlling and decision-making, and how good measurement and reporting can help organizations forecast their liabilities, contingencies, shareholders' equity and future employee benefits. Learn probability concepts and techniques for describing and measuring data. Work on writing clearer reports, responses, briefing notes and issue-critical news releases.</p>	11/13/2008

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Accounting — Level 3	Business and Professional Studies	<p>Make better strategic decisions using sound financial planning and management. Choose and manage systems that make a business more efficient and competitive. Now that students have a solid understanding of basic accounting principles, they are ready to study the underlying framework.</p> <p>In this Level 3 certificate, students will grow their knowledge of accounting and their ability to apply it in a range of positions. Study the impact that financial management has on business-strategy development. Learn how sound management of information technology systems (MIS/IT) can maximize an organization's business capabilities and give it the competitive advantage it needs in the 21st century.</p>	11/13/2008
School of Continuing Studies (SCS)	Advanced Business Process Management (BPM)	Business and Professional Studies	<p>Students will deepen their knowledge of key areas crucial to success as a BPM practitioner. Learn how to manage all aspects of a process improvement project, from defining its requirements to successful implementation. To succeed in business process management, you have to be able to redesign processes, adopt new quality-improvement practices and use information technology effectively.</p> <p>This certificate consists of six courses drawn from other School of Continuing Studies programs: three from Business Process Management and one each from Project Management, Lean Six Sigma and Business Analysis. Whatever your background — improvement specialist, customer service manager or supervisor, business analyst, project or process manager, financial services provider or IT professional — students will bring their skills to a new level and emerge with advanced knowledge in key management areas.</p>	12/14/2012

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Advanced Proficiency in Accounting and Finance	Business and Professional Studies	<p>Help your organization make smarter decisions through enhanced business and accounting acumen. Specialize your accounting knowledge and validate your skills, while earning a University of Toronto Certificate and getting one step closer to the CPA's Advanced Certificate in Accounting and Finance (ACAF).</p> <p>If you are ready to take your accounting knowledge, career prospects and job security to the next level, this certificate program is for you. Study part-time fully online and apply your enhanced knowledge to your current position immediately. Through four courses, two required and two electives, you will develop and apply foundational business skills while specializing your knowledge in accounting.</p> <p>You'll learn how to better understand accounting procedures to improve the bottom line and prepare budgets, statements and forecasts with increasing complexity. You'll apply accounting principles to real-world scenarios, gaining new perspectives and greater confidence when working with colleagues and unfamiliar situations.</p>	01/12/2018
School of Continuing Studies (SCS)	Advanced Project Management	Business and Professional Studies	<p>Take advantage of short modular courses designed specifically for working professionals. Develop advanced analytic and management skills and earn professional development units (PDUs) approved by the Project Management Institute (PMI).</p> <p>A good way to advance your career is to develop advanced project management skills that help you manage more complex projects and respond to a wider range of challenges. This certificate is ideal for working professionals in any sector. Whether you're starting out in project management or have been fulfilling that responsibility without formal training, you'll</p>	03/24/2009

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			learn advanced concepts of project management and how to put them into practice. You'll also come away with a working knowledge of software and the challenges involved in managing international projects.	
School of Continuing Studies (SCS) *offered in partnership with the School of the Environment	Advanced Study in Geographic Information Systems (GIS) for Environmental Management	Business and Professional Studies	Certificate of Advanced Study in GIS for Environmental Management is designed for professionals who wish to achieve greater conceptual understanding and technical expertise to master the field of GIS.	12/20/2017
School of Continuing Studies (SCS)	Advertising	Business and Professional Studies	<p>Prepare for a client or agency role by learning advertising from the ground up. Create digital and traditional campaigns that maximize return on investment (ROI), from first idea through execution to final evaluation.</p> <p>Whether you're new to advertising or well into your career and are seeking new skills, this certificate will show you what works in today's rapidly changing marketplace. You'll discover how to use a variety of platforms, new and traditional, to guide consumer decision-making. You'll acquire tools to help you pitch ideas and present concepts, and develop and implement creative strategies. You'll learn how to use free and paid media to understand and communicate with your audience. Your instructor will provide an effective mix of lectures, readings, case studies, exercises and assignments.</p>	11/13/2008

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Agile Project Management	Business and Professional Studies	<p>Develop an Agile mindset, knowledge and skills to manage projects and contribute to organizational success. Use Agile practices effectively in a team environment. Agile project management is gaining momentum and increased importance every day. Organizations across all sectors are facing continuous change, and Agile project management presents a way to manage projects and deliver value quickly when uncertainties exist.</p> <p>This certificate will equip you with the concepts and practical skills needed to apply Agile project management on its own, or combined with traditional project management, to manage risk, increase quality, keep communication productive and enhance customer satisfaction to achieve project success. Whether you're beginning the Agile journey or have project management experience, this certificate will help you develop an Agile mindset.</p> <p>You'll learn how to leverage both Agile and traditional project management methods, including the development of the necessary hard and soft skills required to be effective. The courses in this certificate include an emphasis on the leadership skills required to assess change readiness, prepare teams for significant change and contribute to the transformation of your organization.</p> <p>If your organization is ready for a value-driven approach to project management that complements the rigour of traditional project delivery practices while emphasizing innovation, stakeholder commitment, adaptability and improved team morale, the Certificate in Agile Project Management is for you.</p>	07/10/2018

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the Factor-Inwentash Faculty of Social Work	Applied Mindfulness-Based Chronic Pain Management (MBCPM™) Facilitation	Business and Professional Studies	<p>Discover how aligning the mind and body can help people manage chronic pain. Learn how to train others in this life-changing practice. Earn both the School of Continuing Studies Certificate in Applied Mindfulness-Based Chronic Pain Management™ Facilitation and a Certificate in Applied MBCPM™ awarded by the NeuroNova Centre.</p> <p>People with chronic pain face unique challenges in everyday life, including difficulty in maintaining positive relationships. If you're a health-care professional with a mindfulness practice, this unique certificate program will give you the comprehensive training you need to help people better manage their chronic pain. You'll emerge ready and able to reduce suffering, emotional and physical, among individuals and groups. You'll get the skill and insight you need to facilitate Mindfulness-Based Chronic Pain Management courses and supervise others who want to follow in your footsteps.</p>	01/24/2017
School of Continuing Studies (SCS) *offered in partnership with the Factor-Inwentash Faculty of Social Work	Applied Specialization in Mindfulness Meditation	Business and Professional Studies	Applied Specialization in Mindfulness Meditation will lead learners to apply the knowledge foundations from the Foundations in Applied Mindfulness Meditation certificate towards a more specialized application. To complete this, learners must complete any combination of four courses from the streams as noted: education, parenting and youth, contemplative arts, workplace, technology and media, therapy, embodied mind and compassion. For learners who wish to gain more intimate knowledge of a specific subject area, it is recommended they complete all courses from that stream.	08/19/2016

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the Faculty of Applied Science and Engineering	Artificial Intelligence (AI)	Business and Professional Studies	<p>Advance your career prospects in a field bursting with innovation and opportunity. Learn the newest AI applications and opportunities from top professionals. Address business and social issues by combining classical and Deep Learning techniques.</p> <p>Are you ready to advance your career in IT, engineering, data management or technology? Then this leading-edge certificate program in Artificial Intelligence (AI) is for you. Through three challenging courses, taught by top professionals, you'll explore all of AI's modern branches. You'll examine ways in which enterprises large and small use AI applications to address their most urgent needs. You'll discover opportunities to use real-world techniques and program your own reusable AI modules. You'll emerge with the hands-on skills you need to apply AI in your enterprise and enhance your career as a champion in the field.</p>	05/14/2018
School of Continuing Studies (SCS)	Brand Management	Business and Professional Studies	<p>Understand what it takes to build a strong brand that drives company growth. Win more customers and get the most out of the ones you already have. Companies intent on building strong brands need effective brand managers.</p> <p>The Certificate in Brand Management will help you develop and execute superior strategies that align brand and business goals. You'll learn how to track brand equity and value, evaluate the return on investment (ROI) of individual marketing investments and explore and develop new leadership skills. Whether you're a brand, product or marketing executive or a business owner, achieving this certificate will deliver valuable insights into the fundamentals and strategic nuances of managing brands.</p>	03/15/2013

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the Faculty of Applied Science and Engineering	Building Science Practice	Business and Professional Studies	<p>Learn the essential elements of building envelope systems design and construction technology. Prepare to write BSS® examinations conducted by BSSB for greater success in the building science industry.</p> <p>The building industry needs people who understand how the many different components of a building envelope systems and its environment interact. This certificate will give you the knowledge you need to meet these growing industry demands. You'll increase your understanding of building envelope systems design and failure. The certificate courses are aligned to the Learning Objectives of the Building Science Specialist® designation examinations conducted by the Building Science Specialist Board of Canada (BSSB). This certificate is offered in collaboration with the Faculty of Engineering and Applied Science.</p>	26/03/2019
School of Continuing Studies (SCS)	Business Analysis	Business and Professional Studies	<p>Identify business needs and problems and facilitate solutions that work. Acquire practical skills that add value to your organization. Get closer to coveted professional designations and certifications.</p> <p>If you want to be a business analyst or apply more business analysis to project management, this certificate is for you. You'll learn to add value by working with your business clients to identify problems, articulate their needs and verify and document requirements to facilitate solutions.</p> <p>The three-course program will suit anyone wanting stronger business analysis skills, including project and process managers, financial analysts and service providers, IT</p>	10/20/2009

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			<p>managers and other specialists. You'll emerge with valuable skills and you'll also be closer to the coveted professional designations from the International Institute of Business Analysis (IIBA) and the Project Management Institute (PMI).</p> <p>Visit the IIBA and PMI web pages for more information on how the School of Continuing Studies' Certificate in Business Analysis and business analysis courses can assist you in working towards these designations. The textbook for all courses in this certificate is the BABOK® Guide v3.</p>	
School of Continuing Studies (SCS)	Business Communications	Business and Professional Studies	<p>Strengthen your business communication skills and your career potential in this flexible three-course certificate program available both online and in class. Write, speak and negotiate with confidence and clarity.</p> <p>What skill do companies rate as most important when looking for new employees? The ability to communicate with people inside and outside the organization. This three-course Certificate in Business Communications will help you master these vital skills. Practical and industry driven, the certificate focuses on mastering communications in a business environment: business writing; business presentations; and persuasion and negotiation. Available in class or in a flexible and compact online format, you can take the courses wherever you live, whenever your schedule allows. You'll learn how to use concise and plain language to get your message across to any audience. You'll complete the program with the confidence and tools you need to write effectively, craft winning sales pitches, deliver persuasive presentations or negotiate effectively on your organization's behalf.</p>	02/01/2016

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Business Essentials	Business and Professional Studies	<p>Complement your degree with the applied business skills needed to jump-start your career. Apply key concepts to real-world scenarios; practise and refine your business and communication skills.</p> <p>In today's competitive job market, employers want to hire adaptable, socially aware candidates who possess a combination of business acumen and communication skills. Be that candidate by sharpening your understanding of business basics and gaining hands-on experience of in-demand skills — before you interview.</p> <p>This certificate will help you develop a foundational understanding of areas that employers across industries have identified as critical, so no matter where you land, you'll have increased confidence in your ability to work with others and make a meaningful contribution to your team and organization.</p> <p>Whether you have a career plan, or are unsure about your next step, a combination of business and communication skills will increase your adaptability to work in any organization — from start up to multinational. Throughout this program, you'll apply key concepts to real-world situations and receive real-time feedback from instructors and guest speakers, providing an opportunity for you to practice and gain confidence. You'll also refine your written and verbal communication competency, setting yourself up for success when communicating with your colleagues, employer or clients. You'll gain more experience with practical skills that employers seek in MS Office (Word, Excel, PowerPoint), time management, decision making, presentation skills and working on a team.</p>	01/25/2018

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Business Innovation	Business and Professional Studies	<p>Gain the knowledge, skills and tools to drive strategic innovation in your organization. Get hands-on experience in identifying, planning and executing your own innovation projects.</p> <p>Are you an organizational leader or manager who aims to create growth for your organization through strategic innovation? If yes, this certificate will help you develop your intrapreneurship skills and create a sustainable culture of innovation in your organization.</p> <p>The courses guide you through the entire innovation process, from building an initial business case to making innovation a sustainable practice. Through discussions, group exercises and case studies, you'll identify, plan and execute your own innovation projects and engage with other innovation-minded business leaders. All courses provide practical experience you can apply immediately and effectively.</p>	08/09/2010
School of Continuing Studies (SCS)	Business Management	Business and Professional Studies	<p>Learn the theories and practices of successful professional management. Acquire professional skills that can help advance your career. Develop your personal leadership and management expertise. Mastering the fundamentals of management can help you launch your business career, change jobs or assume more responsibility at work.</p> <p>This comprehensive program will give you the knowledge and foundational skills you need for business and management leadership. You'll be able to add new capabilities to your resumé and pursue professional designations with greater confidence.</p>	06/12/2002

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School of Continuing Studies (SCS)	Business Process Management	Business and Professional Studies	<p>Gain the knowledge and skills you need to work in the growing field of business process management. Learn why business processes are the key drivers of workflow and workload. Acquire knowledge toward a Certified Business Process Professional (CBPP®) designation awarded by the Association of Business Process Management Professionals (ABPMP).</p> <p>Business process management is all about being competitive — managing change, driving workflow and workload and improving efficiency. This program will give you the deep insights you need to work in this growing field, learning to analyze and optimize business processes and facilitate change.</p> <p>This certificate will benefit process improvement specialists, customer service managers and supervisors, business analysts, project and process managers, financial services providers and IT analysts and managers.</p>	10/15/2010
School of Continuing Studies (SCS) *offered in partnership with the School of The Environment	Climate Change Policy and Practice	Business and Professional Studies	<p>Understand the key drivers of climate change policies and regulations in North American jurisdictions, and assess what they are doing to reduce and offset greenhouse gas (GHG) emissions. Know how to prepare accurate GHG emissions reports, including full verification and validation. Emerge ready to design and apply strategies to reduce and offset GHG emissions at your organization.</p> <p>Leading organizations around the world know they have to limit their GHG emissions if climate change is to be slowed. In this dynamic certificate program, you'll learn what is being done in Canada and other North American jurisdictions to encourage sustainability</p>	11/01/2018

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			<p>and reduce and offset harmful GHG emissions. You'll see the lengths to which corporations both public and private must go to accurately verify, validate and report emissions.</p> <p>Buoyed by real-world examples, you'll explore and critically assess a range of possible voluntary business and community programs as well as policies instituted by regulators. You'll learn how to prepare the full range of compliance documents and absorb real-world lessons in sustainability reporting. You'll pick one company of your choosing and devise a GHG mitigation strategy. You'll emerge better prepared to give your organization a strategic and competitive edge as an ambassador of accurate GHG reporting and risk management.</p>	
<p>School of Continuing Studies (SCS) *offered in partnership with the Factor-Inwentash Faculty of Social Work</p>	<p>Clinical Hypnosis for Clients and Groups</p>	<p>Business and Professional Studies</p>	<p>Grow your professional practice by becoming an accredited clinical hypnotist. Enable individual clients or groups to make empowering, long-lasting changes. Know when to use hypnosis in your practice — and when not to.</p> <p>Whether you work with groups or individual clients, hypnosis can offer an important contemporary approach to encourage change. In this three-course certificate program, you'll learn to use clinical hypnosis to eliminate fears, blocks and self-defeating damaging patterns and behaviours. You'll discover how this gentle yet effective protocol works at the subconscious level, and how you can help clients strengthen their self-esteem and own their lives. You'll be able to facilitate habit and emotional changes — including weight loss, smoking cessation, and stress management — at a surprisingly fast rate.</p>	<p>08/15/2016</p>

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			<p>The courses build on one another using documentation, demonstrations and in-class practice. You'll cover several specialized areas of applied hypnosis that use complimentary techniques, including NLP, Visualization and Systemic Desensitisation.</p>	
<p>School of Continuing Studies (SCS) *offered in partnership with the Faculty of Applied Science and Engineering</p>	<p>Cloud Computing</p>	<p>Business and Professional Studies</p>	<p>Understand how cloud computing evolved and how its systems are designed and built today. Learn how to evaluate different vendor products and services. Cloud computing is now integral to the digital economy. Companies value people who can understand and evaluate the design, architecture and frameworks of cloud systems.</p> <p>This program will help you understand different service models, including Software as a Service (SaaS), Platform as a Service (PaaS) and Infrastructure as a Service (IaaS). You'll explore technology choices and development tools and get a market overview of current cloud providers. Other subjects include security and disaster recovery. This certificate is offered in collaboration with the Faculty of Engineering and Applied Science.</p>	<p>12/12/2013</p>
<p>School of Continuing Studies (SCS)</p>	<p>Conversational Languages: Arabic, Modern Standard</p>	<p>Languages and Translation</p>	<p>Learn a language that is increasingly important in world affairs and is the medium of Arab scholarship, media, culture and religion. Improve your business prospects, travel and tourism opportunities and family relationships if you are a heritage speaker.</p> <p>This certificate focuses on Arabic (Modern Standard), the language of education, scholarship, formal communications and media. You'll learn the most balanced language base for studying Arabic, a moderate idiom that bridges the classical Arabic of literature and the <i>Qur'an</i> to the commonly spoken dialects of 22 Arab countries.</p>	<p>04/30/2013</p>

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			By the program's end, you'll have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR) . Some material from B1 will also be introduced.	
School of Continuing Studies (SCS)	Conversational Languages: Arabic, Egyptian	Languages and Translation	<p>Enjoy Arabic entertainment from Egypt. Appreciate Arab customs and culture. Travel more easily in Egypt. Enhance relationships with Egyptian business associates, friends and family.</p> <p>This certificate focuses on the Arabic dialect spoken in daily life in Egypt. It is commonly used in Egyptian cinema, music and entertainment and is therefore usually understood elsewhere in the Arab world. By the program's end, the diligent student will have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR).</p>	08/31/2007
School of Continuing Studies (SCS)	Conversational Languages: Brazilian Portuguese	Languages and Translation	<p>Travel to Brazil as a tourist or conduct business there with greater confidence and goodwill. Connect with family members if you are of Brazilian descent or have married into a family that speaks the language.</p> <p>More than half the population of South America speaks Portuguese. So whether you are a traveller, a heritage student, a music lover, a business person or have married into a Portuguese-speaking family, this program will help you improve your conversational skills.</p> <p>Brazilian Portuguese for Beginners: Part I is delivered at the School of Continuing Studies and Part II is taught at the Centro de Língua Portuguesa Camões in Toronto. See the Centro's website for details. By the program's end, you'll have reached A2 in the grid used by the</p>	04/30/2013

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			<p>Council of Europe's Framework of Reference for Languages (CEFR). Some material from B1 will also be introduced.</p>	
School of Continuing Studies (SCS)	Conversational Languages: Chinese (Cantonese)	Languages and Translation	<p>Learn a language that is increasingly important in culture and business. Improve your business prospects, travel opportunities and family relationships.</p> <p>Cantonese is the native language of more than 66 million people in key regions in China including Guangdong, Hong Kong and Macau. Whether you are a traveller, heritage student, language lover, business person with international contacts or have married into a Cantonese-speaking family, this program will help you learn Cantonese.</p> <p>By the program's end, you'll have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR). Some material from B1 will also be introduced.</p>	07/27/2011
School of Continuing Studies (SCS)	Conversational Languages: Chinese (Mandarin)	Languages and Translation	<p>Learn the world's most spoken language to make travel in China more enjoyable and show goodwill when meeting people in business or other settings. Understand how the language reflects and influences Chinese culture.</p> <p>Mandarin, or Modern Standard Chinese, is the most commonly spoken language in the world with nearly 900 million speakers. Based on the speech of Beijing, it's the official language of China and Taiwan and is the formal standard written language for Chinese speakers of all dialects.</p>	07/27/2011

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			By the program's end, you'll have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR) . Some material from B1 will also be introduced.	
School of Continuing Studies (SCS)	Conversational Languages: Dutch	Languages and Translation	<p>Understand Dutch better so you can travel in Dutch-speaking countries and, if you are of Dutch descent, explore your heritage and culture and communicate with family. Learn enough Dutch to show goodwill if you are working in the Netherlands or Belgium.</p> <p>Dutch is spoken by around 22 million people, primarily in the Netherlands and Belgium. It is also a major language in Suriname, Aruba, the Dutch Antilles and Indonesia. You'll find this program useful if you're a traveller, a heritage speaker, a retailer or have married into a Dutch-speaking family.</p> <p>By the program's end, you'll have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR). Some material from B1 will also be introduced.</p>	07/27/2011
School of Continuing Studies (SCS)	Conversational Languages: Farsi	Languages and Translation	<p>Learn a rich language that is spoken by nearly 200 million people in Iran, Iraq, Afghanistan, India, Russia and Central Asia. Understand your heritage better if you're of Iranian or Afghani descent, communicate with family members more easily and be able to read official documents in Farsi.</p> <p>Farsi or Persian is the main language of Iran and a significant language in Tajikistan, Afghanistan, Uzbekistan, Bahrain, Iraq, Armenia, India and parts of southern Russia. This</p>	07/27/2011

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			<p>program will leave you with a working knowledge of a rich language with nearly 200 million speakers.</p> <p>By the program's end, you'll have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR). Some material from B1 will also be introduced.</p>	
School of Continuing Studies (SCS)	Conversational Languages: French	Languages and Translation	<p>Learn a language that immediately increases your career options in the Canadian civil service, the diplomatic corps, politics, law, education and other fields. Enjoy travel in French-speaking countries and better appreciate French opera, cinema, literature and cuisine. With French, you automatically expand your career options in government, business, the media, law, politics and other fields.</p> <p>This program will also be useful if you're a traveller, a heritage speaker, a student, a lover of film or cuisine or you've married into a French-speaking family.</p> <p>By the program's end, you'll have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR). Some material from B1 will also be introduced.</p>	11/25/2011

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Conversational Languages: German	Languages and Translation	<p>Better understand German philosophy, opera, history and the influence of German on the development of English. Enjoy easier travel to Germany, Austria and Switzerland, or be able to express yourself in German.</p> <p>Gain the skills you need to read, write and speak German by earning this certificate. With a rich history and roots that go back 1,500 years, German is one of the three most studied and 10 most spoken languages. Worldwide, it is translated (in writing) more than any other language.</p> <p>By the program's end, you'll have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR). Some material from B1 will also be introduced.</p>	07/27/2011
School of Continuing Studies (SCS)	Conversational Languages: Italian	Languages and Translation	<p>Get more enjoyment while travelling in Italy, listening to opera, reading a cookbook or watching films. Appreciate a family language, whether you are of Italian descent or have married into an Italian-speaking family.</p> <p>A Romance language spoken by about 70 million people, Italian is the official language of Italy and San Marino. It is also spoken in Switzerland, Monaco, Malta, France, Albania, Slovenia, and Croatia.</p> <p>This certificate program will help you develop your skills in Italian. By the program's end, you'll have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR). Some material from B1 will also be introduced.</p>	07/29/2011

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Conversational Languages: Japanese	Languages and Translation	<p>Deepen your understanding of Japanese culture and business practices and show goodwill by expressing yourself in Japanese. Gain exposure to a language based on principles very different to those of English and appreciate the role of language in Japanese history and art.</p> <p>This certificate program will help you learn to express yourself in Japanese, a language spoken by more than 130 million people. You'll learn to exchange information on familiar topics and activities. You'll understand more about the pitch-accent system of Japanese and the written language.</p> <p>By the program's end, you'll have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR). Some material from B1 will also be covered.</p>	01/05/2012
School of Continuing Studies (SCS)	Conversational Languages: Korean	Languages and Translation	<p>Deepen your understanding of Korean culture and business practices and show goodwill by expressing yourself in Korean. Gain exposure to a language based on principles very different to those of English and appreciate the role of language in Korean culture and personal relationships. Improve your business prospects, travel and tourism opportunities, and family relationships if you are a heritage speaker or you have married into a Korean-speaking family.</p> <p>Korea's business success in companies like Hyundai and Samsung, its internationally popular youth culture, its trendy cuisine and the allure of Seoul as a destination are all drawing people to discover the Korean language.</p>	11/22/2016

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			<p>In this certificate program, you'll learn to exchange information on familiar topics and activities. You'll master the alphabet and you'll understand something about the levels of formality in Korean society.</p> <p>By the program's end, you'll have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR).</p>	
School of Continuing Studies (SCS)	Conversational Languages: Russian	Languages and Translation	<p>Appreciate Russian culture and literature and make the most of your travel in Russia by being able to converse with local people. Learn a language that is very different to English and gain a better understanding of Russia's view of itself in the world.</p> <p>Russian is the most widely spoken language of Eurasia and the most widespread of the Slavic languages. It's an official language of the UN and the eighth most spoken language in the world.</p> <p>By the program's end, you'll have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR). Some material from B1 will also be introduced.</p>	07/11/2012
School of Continuing Studies (SCS)	Conversational Languages: Spanish	Languages and Translation	<p>Increase your opportunities to do business with half a billion Spanish speakers worldwide. Make the most of holiday trips to Latin America, Spain and even parts of the United States. Spanish is the most widely spoken Romance language. It's becoming increasingly important in the United States and has global influence in the arts and business.</p>	07/29/2011

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			<p>This program will help you improve your conversational Spanish so you can express yourself with business associates if you travel, or friends and family members if you are a heritage speaker. By the program's end, you'll have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR). Some material from B1 will also be introduced.</p>	
School of Continuing Studies (SCS)	Conversational Languages: Turkish	Languages and Translation	<p>Learn a language that is the rich medium of popular media, culture and religion. Improve your business prospects, travel and tourism opportunities in Turkey and family relationships if you are a heritage speaker.</p> <p>This certificate focuses on modern Turkish as it is spoken today in Turkey and in diaspora communities around the world. It is similar to other Turkic languages whose total speakers are about 200 million.</p> <p>By the program's end, you'll have reached A2 in the grid used by the Council of Europe's Framework of Reference for Languages (CEFR). Some material from B1 will also be introduced.</p>	18/07/2019
School of Continuing Studies (SCS)	Creative Writing	Creative Writing	<p>Learn from some of Canada's best writers, including Giller nominees and bestselling authors. Choose from the largest array of writing courses offered in Canada and join a vibrant community of emerging writers. Develop your potential, or just explore. Good writing can be learned, with guidance from patient professional authors and a supportive community. If the time has come for you to get serious about your writing, the Certificate in Creative Writing can provide the focus and direction you've been looking for.</p>	06/12/2002

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the Faculty of Information	Cyber Security Management	Business and Professional Studies	<p>Advance your career by learning how to develop and run cyber security programs that work. Get closer to Certified Information Security Manager (CISM) certification by studying content that aligns with ISACA’s model curriculum.</p> <p>There is a growing need for cyber security professionals who can protect an enterprise from hackers, malware and other information risks. If you're ready to take on a leadership role in cyber security, this certificate is for you. Whether you're a senior security analyst or auditor, network manager, infrastructure engineer or account or project manager, you'll learn how to develop and run effective security programs that align with business processes and cycles.</p> <p>You'll upgrade your knowledge in risk assessment and response, security program design, incident and risk management, compliance and governance. The content is broadly aligned with ISACA's model curriculum, which gets you a step closer to CISM designation. This certificate is offered in collaboration with the Faculty of Information.</p>	02/01/2016

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the Faculty of Applied Science and Engineering	Data Science	Business and Professional Studies	<p>Develop the skills you need to thrive in a growing profession. Gain academic credentials to become an Analytics Professional. Organizations today need professionals who can extract and analyze extremely large amounts of data — Big Data — and present useful insights to business leaders. If you're one of them, or would like to be, this certificate program is for you. You'll come away with the kind of deep analytical skills and abilities that organizations and recruiters value. Work with industry experts on advanced statistical modelling, machine learning and natural language processing.</p> <p>You'll cover content essential for the toolbox of a predictive analytics professional, including neural networks and deep learning; programming languages and software used in data extraction and analysis; and data security, compliance and privacy issues. The course content covers the seven domains of INFORMS' Certified Analytics Professional (CAP) certification.</p> <p>You'll also learn how to represent data visually to help decision makers understand your findings. Whether you work in operations, business intelligence or marketing communications, are a recent math or science graduate or want to change or advance your career, this certificate will open the in-demand field of Big Data. This certificate is offered in collaboration with the Faculty of Applied Science and Engineering.</p>	02/01/2016

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the Factor-Inwentash Faculty of Social Work	Dialectical Behavior Therapy	Business and Professional Studies	<p>The Certificate in Dialectical Behavior Therapy (DBT) is a specialized training program on an essential therapeutic practice. It is designed for those wanting to learn DBT at an intensive level, and those who wish to better implement the treatment model in their profession. Through rigorous content, applied training, exercises, discussions, role-playing, activities, and other multimedia, you will learn from field leading practitioners on how to effectively utilize this powerful tool.</p>	08/04/2019
School of Continuing Studies (SCS)	Digital Marketing Management	Business and Professional Studies	<p>Understand key concepts and trends associated with e-commerce and e-business. Apply leading tools, techniques and best practices in customer service. Study what industry leaders do to produce superior business results. Whether you're new to digital marketing or looking to master new skills to advance your marketing career, you'll learn the best practices for this critical, fast-growing online channel.</p> <p>The program covers the foundations of the field as well as the specialist disciplines of search engine marketing and social media marketing. You'll learn how to fill specialist, leadership and management roles and use digital marketing to achieve measurable return on investment (ROI). Expect a mix of lectures and readings, case studies, exercises and assignments.</p>	09/17/2012

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Digital Strategy and Communications Essentials	Business and Professional Studies	<p>Understand the key trends and considerations in fast-changing digital and social media communications landscape. Learn how to use key digital tools, channels and platforms in a strategic way aimed at maximizing the power of your message.</p> <p>In today's online world, the ability to effectively deliver content and messages via digital platforms is essential to the success of every organization, entrepreneur and anyone who finds themselves in the public spotlight. Global leaders in any field, from Apple to Amazon to Adele, all have a robust strategy in place to carefully manage their communications across digital, social and multimedia platforms. Businesses that struggle to be competitive make the mistake of approaching these platforms without a cohesive strategy, leading to redundant or disparate communications, misspent time and energy and even slip-ups that cause lasting damage to reputation. Creating and implementing a digital communications strategy ensure consistency and accuracy of messaging, selection of the best platforms for promotion, a tone that resonates with your audience.</p> <p>Whether you're totally new to this field or seeking to better understand how to use digital and social platforms, experienced practitioners in the field will teach you everything you need to know to build your career in this rapidly changing environment. This program will familiarize you with a range of cutting-edge topics including best practices, policies and procedures, analytics, content marketing, community management, legal, ethical and privacy issues and sensitive communications. Upon completion of this program, you will better understand the digital and social media landscape, recognize and respond to trends and learn how you can support your organization to stay ahead of the curve.</p>	01/25/2018

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			You will complete a variety hands-on projects and exercises; obtain real-time feedback from seasoned experts, while learning about the key strategies, tools and practices necessary for achieving real and measurable results.	
School of Continuing Studies (SCS)	Digital Strategy and Communications Management	Business and Professional Studies	<p>Stay ahead in the fast-changing digital and social media communications landscape. Apply the latest digital tools, channels and platforms for maximum strategic impact. Whether you're new to digital media or looking to master new digital and social platforms, this unique certificate program will keep you ahead of the digital communications curve. It combines high-level strategy with hands-on tools you can use to create digital media programs that achieve measurable return on investment (ROI).</p> <p>You'll make greater sense of the digital and social media landscape — the clutter of platforms, apps and devices — in classes led by experienced practitioners. You'll get fully up-to-date instruction as you master the strategy and tools.</p>	11/16/2012

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	e-Commerce and Online Business Management	Business and Professional Studies	<p>Learn the best practices for conducting e-commerce and online business. Gain the skills and experience needed to succeed in e-commerce and online business as a practitioner, manager, leader or entrepreneur.</p> <p>Whether you're already working in e-commerce or hoping to launch or grow an online business, this certificate program will help you become better equipped. Get the skills and knowledge you need for e-commerce (buying and selling over the Internet) and online business (conducting business using Internet technology). You'll explore best practices and learn to take on a more meaningful role as a practitioner, manager, or leader. Boost your skills and qualifications with lectures and readings, case studies, exercises and assignments.</p>	09/05/2012
School of Continuing Studies (SCS) *offered in partnership with the Faculty of Applied Science and Engineering	Energy Management	Business and Professional Studies	<p>Learn principles, tools and techniques of energy management and sustainability. Gain familiarity with the best practices in supporting a sustainable built environment. If you want to help reduce energy consumption and increase energy efficiency in the built environment, this certificate is for you. It's for anyone who wants to learn more about energy management and sustainability — engineers, architects and business and facility managers.</p> <p>You'll learn about energy management in residential, commercial and institutional buildings and sustainable communities, as well as renewable sources, policy and procurement, energy auditing, current trends and economics and end uses by sector. The curriculum is aligned with the body of knowledge and best practices of Energy Management. This certificate is offered in collaboration with the Faculty of Applied Science and Engineering.</p>	07/26/2012

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the Faculty of Applied Science and Engineering	Enterprise Architecture	Business and Professional Studies	<p>Understand how enterprise architecture (EA) helps organizations bridge the gap between business and IT. Develop a career as an enterprise architect and pursue appropriate EA certification. Enterprise architecture helps organizations translate their business vision and strategy into action and decisions.</p> <p>This certificate will expand your career and certification options by introducing the fundamental concepts of EA, and some advanced ones. You might be an enterprise architect, a business or IT manager or aspire to be one, or perhaps a decision maker who needs an overview of EA. You'll gain insights into how organizations use EA to become more agile and competitive. Explore ways to align business strategy with IT, sustain business growth and ensure good governance and best practices are being applied. You'll also discover various accepted methodologies as well as certifications in the EA profession.</p>	11/18/2011
School of Continuing Studies (SCS)	Enterprise Risk Management	Business and Professional Studies	<p>Learn risk analysis and risk management from the ground up. Acquire the latest practical skills for managing operational, credit and market risk. Understand why companies need to balance risk and return.</p> <p>This certificate will help you play a more important role in your organization's risk management program. Failure to see risk coming can hurt an organization; correctly analyzing and managing it will help you better achieve overall business objectives. Enterprise risk management (ERM) is both art and science, achieving the balance of risk and reward that best positions you for success. You'll learn how to detect operational, credit and market risks and protect against potential harm with up-to-date ERM tools.</p>	05/13/2004

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			<p>The ERM certificate is of value whether you're a professional in risk, finance, accounting or auditing; an operations manager; a Chartered Professional Accountant (CPA) pursuing professional development; or a generalist working in banking, trading or any business role in which you'll benefit from a deeper understanding of governance, internal controls and compliance.</p>	
School of Continuing Studies (SCS)	Entrepreneurship	Business and Professional Studies	<p>Reduce your start-up risk with the latest strategies and tools. Accelerate the growth of your new business by delivering value to your target customers and networking with other entrepreneurs. If you're thinking about starting a new business or are building one, the Certificate in Entrepreneurship, offered in collaboration with MaRS Discovery District, will guide you through key strategic decisions and planning milestones.</p> <p>You'll develop and validate your business concept using the latest tools and strategies. Build realistic business, marketing and financing plans that target the right market with the right strategy and messaging at the right time. You'll work one-on-one with instructors and meet successful entrepreneurs to gain real-world insights you can apply to your business.</p>	03/19/2013

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the School of the Environment	Environmental Management	Business and Professional Studies	<p>Explore the basic premises and best practices of environmental management and sustainable development. Bridge the gap between theory and practice when deconstructing current Canadian issues. Emerge better equipped to develop strategic, collaborative and inclusive solutions.</p> <p>If you have a passion for holistic environmental management, this four-course certificate program is for you. You'll get a thorough grounding in the fundamentals of environment management, including science-based decision-making, impact and risk assessments and conflict resolution. You'll discuss current theory and best practices in a range of topic areas such as climate change, water security, energy resources and urban environments. You'll learn how Canada can best protect its fisheries, agricultural land, forests, wildlife and parks. You'll explore complex issues such as mining development and waste management, and health and economic impacts of environmental exploitation. You'll examine the important role of Canada's Indigenous peoples in environmental management. You'll apply the theory you learn as you develop a more strategic approach to management that makes colleagues and partners feel included and enthused.</p>	11/01/2018

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the Faculty of Applied Science and Engineering	Facilities Management	Business and Professional Studies	<p>Integrate the four drivers of facilities management: people, place, process and technology to ensure optimal performance. Enhance your skills to take on more challenging roles in facilities management. Prepare yourself to enter — or rise through the ranks of — the growing field of facilities management.</p> <p>This certificate will provide a sound foundation along with practical tools and resources. Delivered in an accelerated, hybrid format over 12 to 14 weeks, this program focuses on the full spectrum of roles and responsibilities of a facilities manager. It covers basic concepts of leadership and change management, using effective communication, negotiation, team work and conflict resolution. It also covers key business processes, real property assets and technological and knowledge resources. You'll learn how to manage risks and security, ensure business continuity and use technology in ways that are sustainable and smart. Other key topics include budgeting, capital planning, energy management and benchmarking.</p>	07/13/2011
School of Continuing Studies (SCS)	Financial Analysis and Investment Management	Business and Professional Studies	<p>Increase your skills in the discipline and practice of financial analysis. Apply improved analytic skills to investment and portfolio management. Investment management firms, insurance companies, investment dealers and banks all need professionals with strong skills in equity research, portfolio management and management finance.</p> <p>If you want to advance your career in any of these fields, this program is for you. You'll learn how to perform relatively complex financial and investment analyses. Although the courses in this program are particularly relevant to those pursuing careers in investment</p>	06/12/2002

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			management, the skills you'll acquire can help you achieve your goals in many other industries.	
School of Continuing Studies (SCS)	Financial Trading and Option Strategies	Business and Professional Studies	Analyze the markets the way professional traders do. Make more accurate forecasts and informed trading decisions. Maximize profit and minimize risks. Whether you hope to build a career in financial trading or improve your skills as a day trader, this certificate program will provide insight into the stock and option markets. You'll learn practical trading and market risk management skills, including how to design effective trading strategies using options, make better forecasts and informed trading decisions based on technical analysis and profit in volatile markets. These skills are valued by investment management firms, fund companies, investment dealers and banks.	06/18/2009
School of Continuing Studies (SCS) *offered in partnership with the Factor-Inwentash Faculty of Social Work	Foundations of Applied Mindfulness Meditation	Business and Professional Studies	Foundations of Applied Mindfulness Meditation courses (previously Mindfulness Meditation Level A) explore the history and practices of mindfulness and mindfulness meditation, traditional and contemporary medicine, as well as case and research-based practice.	08/19/2016

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the Faculty of Medicine	Fundamentals of Biomedical Sciences I	Business and Professional Studies	<p>Build a foundation in the basic life and health sciences that underlies the discipline of medicine and all allied health professions. Prepare to enter medicine or a related field by developing relationships and acquiring skills you can use across a variety of biomedical science disciplines. Receive expert instruction from university faculty on the cutting edge of global health research.</p> <p>If you're working toward a career in medicine, a related biomedical or allied health profession or wondered what biomedical science courses can help prepare you for medical school or a career in a health science-related field, this certificate program will build your basic science knowledge and skills while exposing you to one of the world's great medical and research centres. Working with instructors from the University of Toronto's Faculty of Medicine, you'll learn basic biochemistry, physiology, pharmacology and/or anatomy, while networking with both domestic and international students.</p> <p>You'll acquire foundational knowledge of all major areas of human physiology and biochemistry and learn how the body absorbs, distributes, metabolises and eliminates drugs. Each course will provide a variety of medical perspectives that will expand your curiosity. Regardless of your career goals, this certificate will serve as the bridge between your undergraduate studies and pre-med, pharmacy, nursing, medicine or the field of your choice.</p>	27/05/2019

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the School of the Environment	Geographic Information Systems for Environmental Management	Business and Professional Studies	<p>Learn the fundamental concepts, methods and techniques of Geographic Information Systems (GIS) and Remote Sensing (RS). Gain hands-on experience using the latest proprietary and open-source GIS and RS software. Apply your newfound knowledge and skills to meet real-world environmental challenges. Advance your career by harnessing the power of GIS and RS. Whether you work in environmental management, geography, biological studies or asset management, this four-course certificate will give you the knowledge and skills you need to succeed in a rapidly expanding field.</p> <p>You'll explore the theory and techniques of GIS and RS from the ground up, and how they can help you acquire, store and analyze geospatial data and correctly interpret satellite images. You'll learn how to process geospatial data and combine the graphic power of maps with computer database technologies to better understand problems and identify solutions. You'll learn to map existing environmental conditions and develop models that help predict future conditions and trends. You'll use the latest GIS and RS software packages to design and develop your own customized tools. Whatever your discipline, you'll emerge better prepared to meet your organization's most urgent challenges.</p>	11/24/2017

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Human Resources	Business and Professional Studies	Apply best practices in all areas of human resources (HR) management. Get the recognized academic requirements leading to Certified Human Resources Professional (CHRP) certification. Whether you're just entering the HR field and want to learn the fundamentals or you have experience and seek to earn your professional designation, this certificate program is for you. You'll learn how to find, recruit, manage and motivate the right talent to achieve your organizational goals. You'll also acquire more of the technical and advanced HR knowledge you need to succeed and achieve your CHRP certification, which is becoming increasingly important in the profession.	11/06/2008
School of Continuing Studies (SCS)	Human Resources Management Essentials	Business and Professional Studies	Study the key strategic human resources (HR) principles you need. Build and manage a strong team by developing and practising essential HR skills. Get real-life insights from leading HR practitioners and peers to enhance your business success. Many small- or medium-sized organizations have individuals performing HR responsibilities who often have not received formal training. If you need to fulfil HR responsibilities or manage talent in your organization, this program can give you the skills essential to perform these specialized roles. Taught by leading practitioners, these courses provide flexible study modules for entrepreneurs and small- and medium-sized employers. Courses can also be applied to achieving the Certificate in Human Resources.	04/28/2014

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the Factor-Inwentash Faculty of Social Work	Human Services Management and Leadership	Business and Professional Studies	<p>This certificate program provides management and leadership education and training for social workers and allied human service professionals working in human service organizations. The program supplements the education and experience social workers (B.S.W./M.S.W.) and allied human service professionals have working in human service organizations, and emphasizes specialized knowledge that relates specifically to the conditions of these workplaces and their context of service delivery and innovation.</p> <p>Managing human service organizations requires a professional orientation towards supporting service user outcomes. This requires the development of management and leadership competencies associated with advanced knowledge on program evaluation and social impact, allocating resources, strategic planning, shaping organizational culture, interpersonal workplace interactions (among staff and with governance boards) and managing relationships with government funders, private sector donors, other non-profits and for-profit firms. Together, this training supports the intellectual, interpersonal and technical skill development needed to manage the day to day operations of a human service organization and to support future organization planning and development.</p>	08/25/2016

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Internal Auditing	Business and Professional Studies	Learn how to ensure that your organization's goals and objectives are being met. Learn the details involved in operational and internal auditing. Internal auditors can define, manage, control and mitigate new and emerging risks. This program will equip you to manage effective risk-management frameworks and compliance-assurance programs. Whether you're working in organizational compliance and governance or pursuing the Certified Internal Auditing (CIA) designation offered by the Institute of Internal Auditors, you'll learn valuable skills and become equipped to apply them.	09/03/2009
School of Continuing Studies (SCS)	International Project Management	Business and Professional Studies	Develop the skills and strategies you need to manage international projects. Negotiate more successfully by understanding your client's cultural preferences. The growth of globalization means that more enterprises are taking on international projects. Managing these projects successfully often means understanding and working with critical cultural differences. In this program, you'll learn how to respond to the key challenges you'd face as the manager of an international project. You'll develop the leadership skills you need to ensure your team understands your client's expectations and preferences. You'll rise to challenges across logistic, cultural and language divides. You'll learn to avoid outcomes that could cause monetary loss or client dissatisfaction. You'll develop realistic project schedules that reflect your client's degree of tolerance for slippage. You'll learn to negotiate contracts more respectfully and successfully by understanding your client's cultural preferences.	03/11/2011

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	International Trade	Business and Professional Studies	Learn the theories and practices of international trade. Master the practical applications for the import–export industry. This program teaches you how to analyze and evaluate domestic and international business concepts related to trade finance, Canada Customs procedures and the import-export process. Whether you're already in an import-export industry or hoping to start a career in trade finance or customs brokerage, you'll learn the practical details, including customs clearance and the roles that traders, trading houses, agents, distributors and brokers play.	02/17/2011
School of Continuing Studies (SCS)	Latin	Languages and Translation	<p>Learn the language that provides the background for English and the Romance languages. Understand the language of the Roman Catholic church and the law for much of Western history. Understand the culture on which much of Western civilization was built. Latin was the language of the Roman Empire. Although it now has few fluent speakers, its influence remains in areas such as law and science.</p> <p>In this program, you'll learn the basic structure of Latin and study its style and influence on Western civilization and the English language. You'll be able to read the language that scholars have treasured for two millennia, including Virgil's Aeneid and the lyric poetry of Catullus and Horace.</p>	07/29/2011
School of Continuing Studies (SCS)	Leadership Essentials	Business and Professional Studies	Gain insights and knowledge in the areas most relevant to your career. Accelerate your career as a leader or manager by learning and applying best practices. Develop core leadership competencies. If you want to develop your leadership skills in key areas with focused courses, there are plenty to choose from when achieving the Leadership Essentials certificate.	08/20/2012

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			<p>This program offers six leadership competencies, from which you choose the three most suitable for your career aspirations and trajectory. You'll come away with the kind of leadership and management skills that make organizations successful.</p>	
School of Continuing Studies (SCS)	Lean Six Sigma	Business and Professional Studies	<p>Use Define, Measure, Analyze, Improve and Control (DMAIC) methodology and tools to improve product and service quality and create value for stakeholders. Understand the change management and leadership skills needed to achieve excellence. Take the first step towards achieving the American Society for Quality's (ASQ) Green Belt certificate in Six Sigma. Lean Six Sigma is a proven strategic tool that delivers value for customers, generates returns for shareholders and improves the workplace environment.</p> <p>This certificate will build your capability in Lean Six Sigma and empower you to bring meaningful change to your organization. Topics include understanding quality and its relationship to business strategy, statistical concepts associated with quality, the process of change management and the Lean Six Sigma approach to business process improvement.</p> <p>This certificate will benefit business professionals in all industry sectors and business functions, working at different levels: business analysts, managers, consultants, engineers and senior executives responsible for marketing and sales, production and operations, information technology and strategic management.</p>	11/07/2011

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Learning Design	Business and Professional Studies	<p>Explore ways to meet your organizations' or your clients learning and development (L&D) needs while addressing diverse learning preferences. Develop the foundational knowledge required to design, implement and evaluate effective L&D training assets, eLearning and other programs. In today's fast-paced marketplace, organizations require L&D resources that can meet the needs of a global workforce. Learn how to apply instructional design principles and industry best practices to create appropriate and sustainable training, on budget and on time.</p> <p>Whether you are new to the industry, are currently managing L&D teams and projects or are exploring consulting, our courses will provide the foundational elements that will help you grow your career. Through the program, you'll delve into adult learning theory, the learning design life cycle, oversight of L&D projects and evaluation. You'll learn how to develop eLearning programs which are backed by data and supported by industry-recognized frameworks and models. You'll explore key concepts in learning and eLearning design, perform needs analysis, create user personas, define training goals and learn how to select appropriate technologies and formats. You'll learn how to work with internal and external stakeholders, create business plans, work within a budget, evaluate training effectiveness and demonstrate return on investment (ROI) for your or your clients' organization.</p>	03/12/2018

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
<p>School of Continuing Studies (SCS) *offered in partnership with the Faculty of Applied Science and Engineering</p>	<p>Licensing International Engineers into the Profession (LIEP) Program: Civil</p>	<p>Business and Professional Studies</p>	<p>Improve your prospects for passing technical examinations assigned by professional engineering associations in Canada. Gain valuable insights and skills for a better Canadian career. If you are an internationally educated engineer who wants to work as a professional engineer in Ontario, you'll need a P.Eng. license. That often means passing a series of examinations assigned by professional engineering associations.</p> <p>Refresher courses in civil engineering taught online by qualified instructors in a structured learning environment can better prepare you to pass these examinations. This certificate offers this and more. Through live, interactive weekly webinars, you'll review basic principles and solve problems by working through previous examinations and model questions. You will prepare to write the Professional Practice Examination (PPE) for P.Eng. license.</p> <p>Employers will value the credential you've earned from a Canadian university. This certificate is offered in collaboration with the Faculty of Applied Science and Engineering. Financial assistance may be available to eligible Ontario residents through the Ontario Bridging Participant Assistance Program (OBPAP) provided by the Ministry of Colleges and Universities (MCU).</p>	<p>07/10/2015</p>

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the Faculty of Applied Science and Engineering	Licensing International Engineers into the Profession (LIEP) Program: Electrical	Business and Professional Studies	<p>Improve your prospects for passing examinations assigned by Professional Engineers Ontario (PEO). Gain valuable insights and skills for a better Canadian career. If you are an internationally educated engineering graduate who wants to work as a professional engineer in Canada, you'll need a P.Eng. license. That often means passing a series of examinations assigned by professional engineering associations.</p> <p>Refresher courses in electrical engineering taught online by qualified instructors in a structured learning environment can better prepare you to pass these examinations. This certificate offers this and more. Through live, interactive weekly webinars, you'll review basic principles and solve problems by working through previous examinations and model questions. You will prepare to write the Professional Practice Examination (PPE) for P.Eng license.</p> <p>Employers will value the credential you've earned from a Canadian university. This certificate is offered in collaboration with the Faculty of Applied Science and Engineering. Financial assistance may be available to eligible Ontario residents through the Ontario Bridging Participant Assistance Program (OBPAP) provided by the Ministry of Colleges and Universities (MCU).</p>	07/10/2015
School of Continuing Studies (SCS) *offered in	Licensing International Engineers into the Profession (LIEP) Program: Mechanical	Business and Professional Studies	Improve your prospects for passing examinations assigned by Professional Engineers Ontario (PEO). Gain valuable insights and skills for a better Canadian career. If you are an internationally educated engineering graduate who wants to work as a professional	07/10/2015

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
partnership with the Faculty of Applied Science and Engineering			<p>engineer in Canada, you'll need a P.Eng. license. That often means passing a series of examinations assigned by professional engineering associations.</p> <p>Refresher courses in mechanical engineering taught online by qualified instructors in a structured learning environment can better prepare you to pass these examinations. This certificate offers this and more. Through live, interactive weekly webinars, you'll review basic principles and solve problems by working through previous examinations and model questions. You will prepare to write the Professional Practice Examination (PPE) for P.Eng license.</p> <p>Employers will value the credential you've earned from a Canadian university. This certificate is offered in collaboration with the Faculty of Applied Science and Engineering. Financial assistance is available to eligible Ontario residents through the Ontario Bridging Participant Assistance Program (OBPAP) provided by the Ministry of Colleges and Universities (MCU).</p>	
School of Continuing Studies (SCS)	Life Science Enterprise	Business and Professional Studies	Learn about the Canadian life sciences industry and its main employers, manufacturing best practices and industry standards. Enhance your employability in the life sciences sector. If you're preparing for employment in the life sciences, this program will build your skills in good laboratory and manufacturing practice and in business communication. You'll develop the skills employers want so you can go after jobs with more confidence. Whether you're entering the field or seeking career advancement through professional development, this program will deepen your understanding and help you create a strategy for finding work.	01/27/2012

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Management Accounting Fundamentals	Business and Professional Studies	Expand and develop your business, finance, statistical and accounting skills. Take courses recognized by the Chartered Professional Accountants of Ontario (CPA Ontario) and work toward the Chartered Professional Accountant (CPA) designation. If you're already working in finance, accounting or audit, this certificate program will greatly enhance your business, finance, statistical and accounting skills. The four courses are recognized by CPA Ontario and you can progress toward the CPA with this certificate program.	11/13/2008
School of Continuing Studies (SCS) *offered in partnership with the Faculty of Applied Science and Engineering	Management of Enterprise Data Analytics	Business and Professional Studies	<p>Become a qualified manager of Big Data and predictive analytics. Lead your organization to greater success while enhancing your career. This certificate was designed to help you become a qualified manager in the burgeoning field of predictive analytics. The courses interweave management, statistics and technology to help you learn the tools and techniques used by leading global practitioners.</p> <p>You might be a business owner, manager, analyst, systems architect, programmer, auditor, researcher or statistician. You'll benefit from case studies, demonstrations, projects, guest lectures and highly experienced instructors. You'll understand how data-driven decision making can help your organization enhance profitability and better meet customers' expectations. You'll know how to create and defend a business case for analytics and be able to manage analytics with professionalism, insight and skill. This certificate is offered in collaboration with the Faculty of Applied Science and Engineering.</p>	04/08/2013

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Marketing	Business and Professional Studies	Learn high-level strategy and execution from marketing professionals and explore possible areas of specialization. Use the latest marketing strategies, platforms and technologies to get the maximum impact and results. If you want to work in the fast-growing field of marketing, this certificate program will teach you the fundamentals of how to create, sustain and increase demand for any product or service. You'll explore new ways to identify and interact with consumers online and offline. You'll develop foundational skills and expertise across a range of traditional, digital and social platforms, and use them to build and execute marketing strategies that get measurable results. You'll learn more about the marketing areas most relevant to you. All courses are taught by working professionals who bring both traditional and cutting-edge perspectives.	05/03/2007
School of Continuing Studies (SCS)	Marketing — Advanced	Business and Professional Studies	<p>Maintain your competitive edge in marketing by deepening and broadening your skills. Customize your program by choosing the courses you need to expand your knowledge and skills. To succeed in today's fast-changing world of marketing, you need to know the latest strategies, best practices, platforms, channels and tools. This advanced marketing certificate enables you to build your knowledge and skills and expand your career options. Create your own customized program by choosing from more than 40 marketing courses at the School of Continuing Studies or build on the foundation of an existing marketing certificate with additional courses of your choice.</p> <p>Whether you work in packaged goods, retail, media, technology, the non-profit sector or other industries, you'll deepen your skills and expertise in areas such as branding, digital, research and more. Your instructors will all be leading marketing professionals who bring</p>	08/19/2016

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			both traditional and cutting-edge perspectives, so you'll emerge with a well-rounded understanding of marketing at its best.	
School of Continuing Studies (SCS)	Marketing Research	Business and Professional Studies	<p>Understand consumer trends and key concepts in quantitative and qualitative marketing research. Apply marketing research techniques, analyze the results and recommend actions to solve business challenges and answer questions.</p> <p>This program is for marketers, sales professionals, entrepreneurs, business owners — anyone interested in leveraging research to answer business questions, make decisions and solve important challenges. You'll learn the basics of marketing research and how to use them to understand your consumers and bring the products or services they want to market. You'll explore the latest consumer trends, how the digital world is changing marketing research and how to track and assess the effectiveness of online media and advertising.</p>	04/03/2014
School of Continuing Studies (SCS) *offered in partnership with the Factor-Inwentash	<u>Mindfulness-Based Symptom Management Professional Training Program (PTP)</u>	Business and Professional Studies	<p>Teach mindfulness in a way that balances traditional and contemporary approaches. Create a safe, ethical practice that addresses a wide range of tolerance and trauma sensitivity. Cultivate core values and practices that enhance your professional and personal life. This program is designed for professionals who want to incorporate applied mindfulness and values clarification into their clinical treatment of individuals and groups experiencing issues related to psychological distress.</p> <p>Mindfulness-Based Symptom Management (MBSM) has been developed to meet a growing demand for the practical application of mindfulness in various clinical presentations, and for</p>	18/07/2019

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
Faculty of Social Work			specialized interventions such as pain management, operational stress injuries (OSI) and burnout. It has also been effective as resilience training for employees in high-demand fields including military, policing, health care, education and first responders. This program is offered in partnership with the Ottawa Mindfulness Clinic.	
School of Continuing Studies (SCS) *offered in partnership with the Factor-Inwentash Faculty of Social Work	Mindfulness Informed End of Life Care	Business and Professional Studies	Mindfulness Informed End of Life Care (MIEOL*) explores the applications of mindfulness, mindfulness meditation as it has been integrated into contemporary thanatology (the study of dying and death). This program focuses on general health care as well as hospice, palliative and general end of life care. Founded on evidence-based science, while drawing upon contemplative traditions, MIEOL cultivates health, wellness and resiliency benefits. These practices are helpful for persons who view themselves or are viewed as seriously or chronically ill, the dying, for family and community participants in care, for interprofessional health-care teams, as well as for organizational leaders who support teams attending to suffering. MIEOL proposes that we cultivate a “practice of dying” while living, so we can existentially prepare for complexities found in life and particularly in end of life care. As such, this is a core approach to end of life care that can be used by everyone, depending on their own need and intention.	09/18/2017
School of Continuing Studies (SCS) *offered in partnership with the	Mobile Business Technologies and Applications	Business and Professional Studies	Learn innovative applications for mobile technologies. Develop web interfaces and Android/iOS mobile applications. To succeed in today's fast-paced business environment, organizations need the right mobile technologies and applications. If you have some C++ and Java programming knowledge and want to develop mobile business applications, this new certificate program is for you. You'll learn how to develop mobile business applications for the iPhone, iPad and iPod Touch as well as Android devices. You'll learn how to leverage	08/17/2011

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
Faculty of Applied Science and Engineering			this work to help your organization keep up with the knowledge economy and pursue a business strategy. You'll see which mobile applications add value by giving customers quick and easy access to relevant information across various platforms. This certificate is offered in collaboration with the Faculty of Applied Science and Engineering.	
School of Continuing Studies (SCS)	Multimedia Journalism	Business and Professional Studies	<p>Adapt traditional journalism skills to today's digital world. Work with leading industry professionals and build a compelling portfolio of original work. How can journalists and freelance writers adapt to today's digital world? How do you tell a coherent and compelling story on a website or social media? This new certificate is geared to journalists and freelance writers, communications professionals and writers in the private, public and not-for-profit sectors.</p> <p>You'll learn how to write for the web and use social media to tell a story or promote one online. You'll learn from industry leaders in journalism, freelance writing and online communications. They'll share their insights on the old-school skills involved in writing a news story and how to adapt these tools to the digital world. Examine the ethical questions raised by brand journalism and other adaptations of traditional journalism skills. You'll get valued feedback on your work and emerge with a portfolio that shows your skills in and understanding of digital journalism.</p>	01/02/2016

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Multimedia Storytelling and Content Marketing	Business and Professional Studies	<p>Learn how world-class multimedia campaigns are created. Emerge with a portfolio of work that shows your skill and understanding of the visual web. How do you weave words, graphics, audio and video into a coherent and compelling design? How do you know which platforms and media to include?</p> <p>This new certificate will unveil the art of visual storytelling. It's geared to marketers, community managers, communications professionals, brand managers and entrepreneurs working in the private, public and not-for-profit sectors. You'll learn about content creation, brand journalism, scriptwriting, video and audio production, photography and data visualization. You'll also hone your content writing skills, which is one of the most important skillsets in content marketing. Instructors are industry leaders in marketing communications, brand management, journalism and the creative arts. They'll share their insights into storytelling, production and design and provide feedback on the portfolio of work you create. The program offers a range of digital and online technologies you can access anywhere and anytime.</p>	23/04/2015

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Non-Profit Leadership for Impact	Business and Professional Studies	<p>Develop leadership capacity and use change leadership to improve your organization's effectiveness. Learn innovative strategies to drive and measure non-profit impact. Learn how to create robust revenue development strategies and human capital development systems.</p> <p>Non-profits face increased demands for service, expectations to partner and pressure to improve efficiency and demonstrate outcomes. In this program, you'll learn strategy development and implementation, keys to effective governance and how to build strategic relationships with key stakeholders. You'll learn to collaborate to create programs that have impact and value, and are governed using best practices. You'll learn the components of human and financial resource management aligned to organizational strategy, and how to evaluate services and programs to demonstrate outcomes. Whether you're an executive director of a small non-profit aspiring to a role in a larger organization, a director or senior manager in the sector or a manager interested in transitioning to the sector, you'll learn valuable insights into the fundamentals and strategic nuances of leading through change for impact.</p>	01/09/2015
School of Continuing Studies (SCS)	Occupational Health and Safety	Business and Professional Studies	<p>Protect your workplace better by knowing the relevant health and safety legislation and the major hazards that exist in workplaces. Prevent accidents and improve workplace safety by combining high-level strategy with hands-on application.</p> <p>Leading organizations work hard to provide their employees with safe, healthy workplaces. They know that anything less could reflect poorly on them and risk penalties for non-adherence to regulations. This certificate program will equip you with the knowledge and</p>	05/04/2010

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			skills to develop, implement and manage strong health and safety systems. Whether you work in human resources or aspire to, or have joined a health and safety committee or task force, you'll learn how to ensure your workplace meets all the required health and safety requirements in a tight regulatory framework. You'll discover what companies can do to prevent costly accidents that impair productivity and engage more employees in proactive health and safety measures.	
School of Continuing Studies (SCS)	Operations and Supply Chain Management	Business and Professional Studies	Get to know the professional certifications in the field of operations and supply chain management (OSCM). Keep up to date on current issues through courses delivered by leading practitioners in the field. If you're entering this field or seeking to advance your career in OSCM, this program will teach you the right techniques and skills. You'll learn to link major business functions and processes across companies. You'll learn about sourcing, procurement and manufacturing operations. You'll coordinate processes and activities that involve marketing, sales, product design, finance and information technology. The curriculum is aligned with the body of knowledge linked to major certifications and professional associations in OSCM.	11/14/2008
School of Continuing Studies (SCS)	Practical French	Languages and Translation	Improve your written and spoken French for work, the home and travel. Follow French more easily when it's spoken at a native speaker's pace and in a range of media. Once you've completed your Certificate in Conversational Languages: French or have equivalent knowledge, you can take this advanced certificate program in practical French. These courses will challenge you to use your French skills in real-life situations at work, at home, in shops and when traveling. You'll improve your pronunciation and get better at expressing opinions, explaining plans, writing emails or relating the plot of a book or film. When friends	07/27/2011

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			<p>or colleagues discuss familiar matters, you'll get the main point of conversations and be able to contribute more. You'll also learn more about the complex, unstated cultural codes that are part of life in France and Quebec.</p>	
School of Continuing Studies (SCS)	Privacy Management in the Digital Enterprise	Business and Professional Studies	<p>Help your enterprise manage information and privacy requirements in today's highly competitive global digital economy. Improve corporate governance through enhanced regulatory compliance and better management of personal information, while avoiding costly breaches. Identify and prevent risks associated with enterprise digital transformation, big data analytics and interconnected technologies.</p> <p>Digital enterprises need people who can create, manage and protect information and privacy. This certificate program was designed for professionals responsible for regulatory compliance, corporate policy, risk management, information security and other key areas of governance. You'll learn how to create greater value through information and privacy management. You'll improve corporate governance so the enterprise can focus more freely on its strategic goals and objectives. You'll cover the many complex implications surrounding the gathering and preservation of data. You'll help your company use information, while avoiding costly mistakes that could sink its reputation. You'll acquire strategic thinking skills to help you manage and monitor risks and compliance, along with the leadership skills you need to champion this key internal cause.</p>	12/11/2017

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Project Management	Business and Professional Studies	<p>Develop the skills and knowledge to manage projects in all industry sectors. Prepares you to manage projects using the PMBOK® Guide. Acquire "people skills" for project management success.</p> <p>In a world with increasing demand for project management, this certificate provides a comprehensive overview of project management and prepares you to manage large- and small-scale projects. You'll learn the hard skills of cost, time, quality and risk management and the "people skills" you need for long-term success. The content is consistent with the Project Management Body of Knowledge (PMBOK®) Guide and will bring you one step closer to the coveted PMP® designation.</p>	06/12/2007
School of Continuing Studies (SCS)	Project Management Essentials	Business and Professional Studies	<p>Gain an understanding of the latest project management concepts and equip yourself with the skills to apply proven techniques and best practices. Develop professional business communication and collaboration skills Project management skills are in high demand by hiring organizations across many sectors. Why? Organizations use project management to adapt and change to achieve their strategy, solve business problems and meet competitive pressures to be successful. Employers need people who can be effective team members and collaborators, who understand the business thinking and practical approaches required to make projects work. Our project management essentials certificate will help you develop these skills and become an invaluable member of any team you work with.</p> <p>If you're new or have some exposure to project management, you'll develop an understanding of essential terminology and learn how to apply the foundational tools, techniques and practices needed to become an effective and contributing member of a</p>	12/18/2017

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
			<p>project team. You'll also gain more experience with in-demand skills that employers seek in MS Office (Word, Excel), scheduling software, document management, record keeping, meeting management, budgeting and communications. You'll be introduced to practising project management professionals providing even more context and real-world advice about how project management is applied in the workplace.</p> <p>By completing a variety of hands-on exercises you will come to understand key strategies, tools and practices and how to use them to manage projects successfully and deliver value. This four-week program meets the 35 hours of project management education required to write the Project Management Institute (PMI)'s Project Management Professional (PMP)[®] examination. It also fulfills the 23 hours of project management education required to write PMI's Certified Associate in Project Management (CAPM)[®] exam.</p>	

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS) *offered in partnership with the Faculty of Information	Records and Information Management	Business and Professional Studies	<p>Know the field of records and information management from the ground up. Acquire the most current knowledge in the field, designed and delivered online by industry experts. Keeping accurate records and information is more important than ever in the digital information age. Organizations need professionals who can create, store and retrieve information using the latest technologies. Whether you're just entering the field or are seeking to expand your knowledge and skills, this certificate is for you.</p> <p>You'll complete it fully grounded in the essential elements of the profession. Learn organizational context, practice, strategy and implementation, and develop an overview of vital privacy, access and governance issues. You'll study the full spectrum of archiving and retrieval, and emerge with the knowledge and skills valued by organizations seeking to manage information assets. This certificate is offered in collaboration with the Faculty of Information.</p>	02/01/2016
School of Continuing Studies (SCS)	Risk Management	Business and Professional Studies	<p>Develop skills valued by organizations at every level from operations to finance. Get closer to your Canadian Risk Management (CRM) designation. More and more, risk management plays an integral role in every major corporate decision and action, from finance and administration to the manufacturing, marketing and media sectors. Earning your Risk Management Certificate will give you the knowledge and skills you need to identify, assess and limit risks. Whatever sector you work in — insurance, finance, accounting or audit — completing this program will bring you one step closer to your CRM designation from the Global Risk Management Institute (GRMI). To learn more about your eligibility and earning your CRM designation, please visit the Canadian Risk Management Eligibility website.</p>	06/22/2009

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Strategic Leadership: Advanced	Business and Professional Studies	Become a more effective and strategic leader and achieve better results for your team. Take your career to the next level by leading with confidence and success. If you're ready to hone your leadership skills, this program is for you. You'll learn how to be clear about where your organization is headed, how it will get there and who is going to make it happen. Recognized by the Project Management Institute, this program will develop the skills you need to lead with purpose and passion and help you stand out. You'll come away with greater self-awareness and a personal leadership development plan.	07/21/2009
School of Continuing Studies (SCS)	Strategic Copywriting	Business and Professional Studies	Develop and strengthen your online writing skills. Build your social media presence and online following. If you can write concise, persuasive online content, you'll always be in demand. This certificate program will help you learn to write short, tight copy for commercial websites, blogs or social media platforms. The program is geared to people who work in marketing, communications or public relations, or who might need to create a website. Over the course of the program, you'll learn how to engage and persuade online audiences, drive traffic to websites, blogs and landing pages, design relevant visuals, optimize a site's usability and maximize search engine results. Your instructors will share real-world experiences in strategic web writing, design and display of information and up-to-date techniques for building an online following.	25/07/2019

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Strategic Public Relations	Business and Professional Studies	<p>Mix high-level strategy with experience-based learning to better understand the practice of public relations (PR) in today's communications landscape. Maximize your PR impact by using new platforms and channels. Learn how businesses, governments and individuals use PR to create and maintain stakeholder relationships, drive business results and protect reputations. Whether you are new to public relations, a seasoned communications professional or a manager interested in better understanding the strategic PR landscape, you will find this certificate key to mastering public relations skills and strategies to advance in your career.</p> <p>This program will teach you to create PR plans, messages and narratives; leverage social and digital media; handle media relations, crisis communications and reputation management and more. Taught by seasoned practitioners, the program pays particular attention to the Internet and the rise of social media, new realities for traditional media and demographic and cultural change.</p>	11/13/2008
School of Continuing Studies (SCS)	Teaching Korean as An Additional Language	Languages and Translation	<p>Become a teacher of Korean by learning the latest principles of language education. This course is perfect for native or near-native speakers of Korean who wish to teach adults or children the Korean language, from the beginner level to high intermediate. You'll learn what approaches work best to give your learners confidence and skill. Offered in collaboration with the Korean Education Centre in Canada, the course is a mix of online and in-class instruction with practice sessions. The online material is provided by Seoul National University, one of Korea's best institutes for language training. The language of the classroom and the material will be Korean.</p>	01/16/2018

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Translation: French to English	Languages and Translation	Formalize your translation skills in English. Gain a good understanding of the theory and practice of translation. Take advantage of flexible online learning approaches. If you hope to work as a translator, this certificate can bring you closer to a career. It assumes you are already confidently bilingual and can express yourself like a native in the formal, written idiom in English and French. You'll learn how to translate original text accurately while preserving its integrity, meaning, style and nuance. You'll also become proficient in analyzing and understanding complex, real-world documents. While the program is rigorous, with translation assignments of increasing complexity, the potential rewards make it well worth the effort. To pass, the minimum average mark in each translation course is 70%.	08/14/2019
School of Continuing Studies (SCS)	Translation: Spanish to English	Languages and Translation	Formalize your translation skills in English. Gain a good understanding of the theory and practice of translation. Take advantage of flexible online learning approaches. If you hope to work as a translator, this certificate can bring you closer to a career. It assumes you are already confidently bilingual and can express yourself like a native in the formal, written idiom in English and Spanish. You'll learn how to translate original text accurately while preserving its integrity, meaning, style and nuance. You'll also become proficient in analyzing and understanding complex, real-world documents. While the program is rigorous, with translation assignments of increasing complexity, the potential rewards make it well worth the effort. To pass, the minimum average mark in each Translation course is 70%.	08/14/2019

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Translation into Arabic	Languages and Translation	Formalize your translation skills in Arabic. Gain a good understanding of the theory and practice of translation. Take advantage of flexible online learning approaches. If you hope to work as a translator, this certificate can bring you closer to a career. It assumes you are already confidently bilingual and can express yourself like a native in the formal, written idiom in English and Modern Standard Arabic. You'll learn how to translate original text accurately while preserving its integrity, meaning, style and nuance. You'll also become proficient in analyzing and understanding complex, real-world documents. While the program is rigorous, with translation assignments of increasing complexity, the potential rewards make it well worth the effort. To pass, the minimum average mark in each translation course is 70%. With each level, the exercises focus on more complex and specialized translations, supporting the improvement of analytical and research skills.	09/21/2017
School of Continuing Studies (SCS)	Translation into Chinese	Languages and Translation	Formalize your translation skills in Chinese. Gain a good understanding of the theory and practice of translation. Take advantage of flexible online learning approaches. If you hope to work as a translator, this certificate can bring you closer to a career. It assumes you are already confidently bilingual and can express yourself like a native in the formal, written idiom in English and Chinese. You'll learn how to translate original text accurately while preserving its integrity, meaning, style and nuance. You'll also become proficient in analyzing and understanding complex, real-world documents. While the program is rigorous, with translation assignments of increasing complexity, the potential rewards make it well worth the effort. To pass, the minimum average mark in each translation course is 70%. With each level, the exercises focus increasingly on translations from English into Chinese.	08/09/2011

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Translation into French	Languages and Translation	Formalize your translation skills in French. Gain a good understanding of the theory and practice of translation. Take advantage of flexible online learning approaches. If you hope to work as a translator, this certificate can bring you closer to a career. It assumes you are already confidently bilingual and can express yourself like a native in the formal, written idiom in English and French. You'll learn how to translate original text accurately while preserving its integrity, meaning, style and nuance. You'll also become proficient in analyzing and understanding complex, real-world documents. While the program is rigorous, with translation assignments of increasing complexity, the potential rewards make it well worth the effort. To pass, the minimum average mark in each translation course is 70%. With each level, the exercises focus increasingly on translations from English into French.	07/27/2011
School of Continuing Studies (SCS)	Translation into Japanese	Languages and Translation	Formalize your translation skills in Japanese. Gain a good understanding of the theory and practice of translation. Take advantage of flexible online learning approaches. If you hope to work as a translator, this certificate can bring you closer to a career. It assumes you are already confidently bilingual and can express yourself like a native in the formal, written idiom in English and Japanese. You'll learn how to translate original text accurately while preserving its integrity, meaning, style and nuance. You'll also become proficient in analyzing and understanding complex, real-world documents. While the program is rigorous, with translation assignments of increasing complexity, the potential rewards make it well worth the effort. To pass, the minimum average mark in each translation course is 70%. With each level, the exercises focus increasingly on translations from English into Japanese.	07/29/2011

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Translation into Korean	Languages and Translation	Formalize your translation skills in Korean. Gain a good understanding of the theory and practice of translation. Take advantage of flexible online learning approaches. If you hope to work as a translator, this certificate can bring you closer to a career. It assumes you are already confidently bilingual and can express yourself like a native in the formal, written idiom in English and Korean. You'll learn how to translate original text accurately while preserving its integrity, meaning, style and nuance. You'll also become proficient in analyzing and understanding complex, real-world documents. While the program is rigorous, with translation assignments of increasing complexity, the potential rewards make it well worth the effort. To pass, the minimum average mark in each translation course is 70%. With each level, the exercises focus increasingly on translations from English into Korean.	07/29/2011
School of Continuing Studies (SCS)	Translation into Portuguese	Languages and Translation	Formalize your translation skills in Portuguese. Gain a good understanding of the theory and practice of translation. Take advantage of flexible online learning approaches. If you hope to work as a translator, this certificate can bring you closer to a career. It assumes you are already confidently bilingual and can express yourself like a native in the formal, written idiom in English and Portuguese. You'll learn how to translate original text accurately while preserving its integrity, meaning, style and nuance. You'll also become proficient in analyzing and understanding complex, real-world documents. While the program is rigorous, with translation assignments of increasing complexity, the potential rewards make it well worth the effort. To pass, the minimum average mark in each translation course is 70%. With each level, the exercises focus increasingly on translations from English into Portuguese.	07/29/2011

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
School of Continuing Studies (SCS)	Translation into Spanish	Languages and Translation	<p>Formalize your translation skills in Spanish. Gain a good understanding of the theory and practice of translation. Take advantage of flexible online learning approaches. If you hope to work as a translator, this certificate can bring you closer to a career. It assumes you are already confidently bilingual and can express yourself like a native in the formal, written idiom in English and Spanish. You'll learn how to translate original text accurately while preserving its integrity, meaning, style and nuance. You'll also become proficient in analyzing and understanding complex, real-world documents. While the program is rigorous, with translation assignments of increasing complexity, the potential rewards make it well worth the effort. To pass, the minimum average mark in each translation course is 70%. With each level, the exercises focus on more complex and specialized translations, supporting the improvement of analytical and research skills.</p>	07/29/2011
School of Continuing Studies (SCS)	User Experience (UX) Design	Business and Professional Studies	<p>Today's consumers want engaging and intuitive digital experiences. This online certificate program will leave you ready to join a fast-growing, dynamic sector or move ahead if you're already in it. You'll explore the bedrock principles of user-centred design. You'll acquire tools that help you create designs that get results. You'll absorb and apply design ideas from working professionals who understand local, national and international trends. You'll develop real-world perspectives and skills that can save your organization time throughout the development cycle. Whether you're new to UX design or a manager seeking to advance your career, this program will leave you poised to take on greater challenges in a winning way.</p>	11/23/2017

Division	Certificate	Unit	Brief Description of Certificate	First Offered (Approximate Date if Unknown)
University of Toronto Mississauga (UTM)	Certificate in Data Analytics	Institute for Management & Innovation (IMI)	With the advent of artificial intelligence (AI) and big data techniques of analysis, and their adoption in the business and professional community, many university programs are being developed to educate degree students, executives and managers to reach their full potential. Such courses are now expected of an up-to-date university, and UTM is developing a Big Data Hub to fill this need internally. The Certificate in Data Analytics will provide three basic courses to alumni and managers looking to improve their understanding and skills in this emerging area.	May/June 2019
University of Toronto Mississauga (UTM)	Certificate in Strategy and Critical Thinking	Institute for Management & Innovation (IMI)	The objective of the Certificate in Strategy and Critical Thinking is to prepare executives and managers who are in functional positions to understand strategic thinking, which coordinates and focuses all functional activities, and to think critically about strategy, strategic thinking, competitive advantage and other business problems. Strategy and critical thinking are fundamental to successful organizations, and are a particular focus of UTM faculty.	May/June 2019
University of Toronto Mississauga (UTM)	Certificate in Strategy and Innovation	Institute for Management & Innovation (IMI)	The objective of the Certificate in Strategy & Innovation is to prepare executives and managers who are in functional positions to understand strategic thinking, which coordinates and focuses all functional activities, with the specific purpose of encouraging innovation. Strategy and innovation are fundamental to successful organizations, and are a particular focus of UTM faculty and IMI's Master of Management & Innovation program.	May/June 2019
University of Toronto Scarborough (UTSC)	Strategic Leadership Executive Program	Department of Management	The Strategic Leadership Executive Program is a cutting-edge program designed to equip participants with the knowledge and skills needed to become high-impact leaders. An intensive executive curriculum will provide the specific knowledge and skill set that leaders need to make smarter strategic business decisions.	October 2018