

Report on Certificates (For-Credit), 2018-19

Division	Certificate	Unit	Category: 1 or 2 ¹	Associated Program (Category 2 only)	Brief Description of Certificate	First Offered (approx. date if unknown)	Approval Date if known (MM/DD/YY YY)
Faculty of Applied Science & Engineering	Artificial Intelligence Engineering	Cross-Disciplinary Programs	2	Open to Engineering undergraduate students in all Engineering undergraduate degree programs.	The certificate in Artificial Intelligence (AI) Engineering will provide Engineering students with a solid foundation in machine learning and AI concepts, which they can then apply within the context of their engineering discipline. Students will develop an understanding of applying AI to improve computer decision-making, prediction, image/speech recognition, image/speech synthesis or other tasks.	January 2019	Approved by Faculty Council 10/31/2018
Faculty of Applied Science & Engineering	Communication	Cross-Disciplinary Programs	2	Open to Engineering undergraduate students in all Engineering undergraduate degree programs.	The Communication Certificate presents an opportunity for interested students to gain specialized expertise and recognition for a personal and professional commitment to enhanced communication skills through courses that expand on communication practices in contexts beyond engineering, deepen theoretical understanding of communication, and facilitate professional development in writing, oral communication, and critical thinking.	September 2015	Approved by Faculty Council 04/17/2015
Faculty of Applied Science & Engineering	Engineering Business	Cross-Disciplinary Programs	2	Open to Engineering undergraduate students in all Engineering	The Engineering Business Certificate is a collaborative effort across FASE and the Rotman School of Management and is open to	September 2011	Approved by Faculty Council

¹ Category 1 is a Post-baccalaureate certificate (stand-alone, for-credit). Category 2 is a Certificate offered in conjunction with an undergraduate program (for-credit). See the [Policy for Certificates \(For-Credit and Not-For-Credit\)](#), 2016 for further details.

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Engineering				undergraduate degree programs, except those in Engineering Science's Mathematics, Statistics and Financial option. Students can complete either the Engineering Business Certificate or the Entrepreneurship, Innovation and Small Business Certificate, but not both.	engineering students interested in learning more about the business dimension of engineering, from finance and economics to management and leadership.		12/01/2010
Faculty of Applied Science & Engineering	Engineering Leadership	Cross-Disciplinary Programs	2	Open to Engineering undergraduate students in all Engineering undergraduate degree programs.	Engineers are taught to think analytically and systematically. Leadership skills build on these strengths to make one a more effective engineer. In the Engineering Leadership Certificate, undergraduate engineering students will learn how to effectively handle complex, human challenges that often mean the difference between success and failure.	September 2014	Approved by Faculty Council 12/11/2013
Faculty of Applied Science & Engineering	Entrepreneurship, Innovation and Small Business	Cross-Disciplinary Programs	2	Open to Engineering undergraduate students in all Engineering undergraduate degree programs. (Note that students can complete either the Entrepreneurship, Innovation and Small Business Certificate, or the	Engineering undergraduates with an interest in running their own businesses can choose to take two half-course electives for the Entrepreneurship Certificate. The first course provides an overview of small businesses, while the second examines business management skills. Rounding out the three-course certificate is a class in engineering economics.	September 2010 (Note that this certificate had existed previously as an "in house" recognition, which did not	Approved by Faculty Council 05/26/2010

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				Engineering Business Certificate, but not both).		have a formal governance approval outside of Engineering.)	
Faculty of Applied Science & Engineering	Forensic Engineering	Cross-Disciplinary Programs	2	Open to Engineering undergraduate students in all Engineering undergraduate degree programs.	The Certificate in Forensic Engineering allows interested students across disciplines to develop enhanced engineering investigation competencies. In addition to the traditional focus on the investigation of artifacts that do not function as intended, causing personal injury and/or monetary loss, the flexibility of the certificate will allow students to gain specialized expertise in areas such as assessing deterioration in infrastructure; improving product quality, procedural practices and engineering design practices; and revising codes and standards to enhance public safety.	September 2017	Approved by Faculty Council 12/01/2016
Faculty of Applied Science & Engineering	Global Engineering (U of T Global Scholar)	Cross-Disciplinary Programs	2	Open to Engineering undergraduate students in all Engineering undergraduate degree programs.	The Certificate in Global Engineering (U of T Global Scholar) is open to engineering students interested in developing their knowledge of global issues and how engineers can influence and improve conditions around the world. The courses focus on a variety of concepts such as effects of emerging technologies in both developed and developing economies, global energy systems, innovative finance techniques, current theories in international development and foreign aid. In January 2019 the FASE	September 2011	Approved by Faculty Council 12/01/2010

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					Undergraduate Curriculum Committee approved the name change to the certificate in order that it be recognized within the University's Global Scholar initiative.		
Faculty of Applied Science & Engineering	Mineral Resources	Cross-Disciplinary Programs	2	Open to Engineering undergraduate students in all Engineering undergraduate degree programs, except those enrolled in the Mineral Engineering degree program.	The Mineral Resources Certificate will expose students to the mineral resources sector and provide a window into state-of-the-art research in mining.	September 2012	Approved by Faculty Council 03/07/2012
Faculty of Applied Science & Engineering, Faculty of Music	Music Technology	Cross-Disciplinary Programs	2	Open to Engineering undergraduate students in all Engineering undergraduate degree programs.	The Music Technology Certificate will provide an opportunity for engineering students to pursue their musical interests in a way that contributes to their degree program requirements and explore the ties between engineering and music. Students completing the certificate will be able to apply their knowledge of music, music theory, sound and technology to future engineering design projects.	September 2018	Approved by FASE Faculty Council 12/12/2017 Approved by Music Faculty Council January 2018

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Faculty of Applied Science & Engineering	Nuclear Engineering	Cross-Disciplinary Programs	2	Open to Engineering undergraduate students in all Engineering undergraduate degree programs.	The Nuclear Engineering Certificate recognizes an interdisciplinary focus on nuclear systems. Nuclear energy constitutes an important component of the energy mix in most national energy strategies, and its proportion will likely increase in response to growing challenges related to fossil-driven climate change. Modular nuclear systems power space craft and remote sites on earth. Future nuclear power systems will address current concerns regarding safety and the environment, and significant breakthroughs are likely in fusion technology.	September 2013	Approved by Faculty Council 11/29/2012
Faculty of Applied Science & Engineering	Renewable Resources Engineering	Cross-Disciplinary Programs	2	Open to Engineering undergraduate students in all Engineering undergraduate degree programs.	The Certificate in Renewable Resources Engineering recognizes a demonstrated focus in sustainable resource management and bio-economics, sustainable energy production, green manufacturing and sustainable communities, and reflects the strong interconnections between the Faculties of Forestry and Engineering. The interdisciplinary offerings of the Faculty of Forestry for engineering students are organized and coordinated by FASE and funded by the Provost as part of their support for graduate-only Faculties and departments.	September 2014	Approved by Faculty Council 12/11/2013

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Faculty of Arts & Science	Human Resource Management (CHRM)	Centre for Industrial Relations and Human Resources ²	1		The certificate in Human Resource Management is designed for students who have completed undergraduate degrees in subjects other than human resource management or related programs such as Employment/Industrial Relations who now wish to study courses in this field to meet professional needs, prepare for advanced studies or simply to broaden their academic experience. The level of instruction is undergraduate.	Certificate in Personnel & Industrial Relations was launched in the mid-1970s. The program was revised and launched as CHRM in 2001	
Faculty of Arts & Science	Teaching English to Speakers of Other Languages (TESOL)	Woodsworth College	1		The program offers specialized academic and professional preparation to individuals interested in teaching English to second language learners, specifically adults. The certificate consists of eight half-courses.	1972	
Faculty of Arts & Science	Psychology of Economics and Management	Department of Psychology	2	Psychology, Economics, Rotman Commerce	The Certificate in Psychology of Economics and Management will provide students with a specialized program that takes advantage of the interdisciplinary connections between social psychology, economics, and business.	2018	04/06/2018
Faculty of Arts & Science	Global German Studies (UofT Global Scholar)	Germanic Languages and Literatures	2		This Certificate in German Studies (U of T Global Scholars) recognizes the achievement of learning goals associated with global fluency in the German context, including a basic level of linguistic competence.	March 1, 2020	04/05/2019

² The program was administered by Woodsworth College and transferred to the Centre for Industrial Relations and Human Resources in 2013. The Program Office located in Woodsworth College continues to administer the program as per the memorandum of agreement.

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Faculty of Kinesiology & Physical Education	Certificate in Global Kinesiology & Physical Education (U of T Global Scholar)		2	Bachelor of Kinesiology	In order to complete the certificate, BKin students must successfully complete 2.0 FCE from a pre-identified list of courses which will also count towards their degree program. The certificate showcases the international, global and Indigenous content existing within BKin courses. It makes transparent for students and their future employers, the burgeoning role that the field of Kinesiology and Physical Education plays in health, physical activity and their intersections in a global context and at the same time arms students with a global perspective advantageous for numerous future academic and professional pursuits.	September, 2019	01/18/2019
Faculty of Law	Certificate in Aboriginal Legal Studies		2	Centre for Indigenous Studies & Variable (e.g. Collaborative Program in Health Care, English, History, Nursing, Political Science, Social Work)	Law students can earn this certificate by taking a sequence of courses including a required course, a combination of eligible courses, and producing significant written work of publishable quality in one of those courses. Only graduate level courses are accepted toward the certificate.	Winter, 2012	June, 2013
Faculty of Law	Certificate in Environmental Studies		2	School of the Environment	Law students can earn this certificate by taking a sequence of courses including a required course, a combination of eligible courses, producing a research paper, and completing an internship. Only graduate level courses are accepted toward the certificate.	Proposal dated September 22, 2003	June, 2003(?)
Faculty of Law	Certificate in Sexual Diversity		2	Sexual Diversity Studies	Law students can earn this certificate by taking a sequence of courses including a required course, a combination of eligible courses, and producing	Winter, 2012	June, 2012

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	and Gender Studies				significant written work of publishable quality in one of those courses. Only graduate level courses are accepted toward the certificate.		
Faculty of Law	Collaborative Program in Jewish Studies		2	Jewish Studies	Law students can earn this certificate by taking a sequence of courses including a required course, a combination of eligible courses, and producing significant written work of publishable quality in one of those courses. Only graduate level courses are accepted toward the certificate.	Winter, 2011	June, 2011
Faculty of Music	Advanced Certificate in Performance		1		This is an intensive one-year full-time program that allows post undergraduate level students to focus on the development of practical musical skills.		1998-1999
Faculty of Music	Artist Diploma		1		This is a three-year program with a strong emphasis on the development of performance skills. The core curriculum of the program is based on the Bachelor of Music in Performance degree program, without the breadth requirement (arts & science courses).	1952-53	
Faculty of Music	Diploma in Operatic Performance		1		This is an advanced diploma, requiring two years of full-time study. An additional year of study possible for suitable candidates. The diploma is designed to prepare students through vocal and operatic experience for professional operatic careers.	1969-70	
Faculty of Music	Health Applications in Music		2	Open to Music undergraduate students in all Music undergraduate degree programs.	The Certificate in Health Applications in Music will provide an opportunity for students to explore some of the many intersections between music and health. Research over the	September 2019	07/03/2019

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					past 10–15 years in particular has built an increasing consensus around new findings demonstrating the benefits from music learning and training for significant gains in non-musical abilities, in both professional and non-professional music pursuits. The certificate will offer the opportunity to gain an understanding of the broad spectrum of applications of music to health, and therefore open significantly more professional avenues to students.		
Faculty of Music	Music Technology		2	Open to Music undergraduate students in all Music undergraduate degree programs.	The Certificate in Music Technology is intended to provide an opportunity for students to explore some of the many ways that music intersects with technology. The certificate arises out of the Faculty of Music’s longstanding leadership in this area. The Faculty of Music was the first institution in Canada and the second in North America to set up an electronic music studio. The facility, housed in the Edward Johnson Building, has just been completely revamped and refurbished. The recent appointment of an assistant professor of composition in music technology & digital media, and of several part-time faculty members with expertise in this area, has given new impetus to the field of music and technology studies. The certificate will offer the opportunity for students to gain an understanding of some of the many ways that music and technology	September 2019	07/03/2019

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					intersect, opening up many more avenues of professional activity for their consideration.		
Faculty of Music	World and Popular Musics with Ensemble Option		2	Open to Music undergraduate students in all Music undergraduate degree programs.	The Certificate in World and Popular Musics is to provide an opportunity for our students to broaden their musical perspectives, to become familiar with a sample of the huge diversity of music that flourishes in Toronto and the world at large, and to re-imagine music as a space of dialogic encounter. In the words of John Blacking, "The ultimate goal is personal and social transformation: music-making must be used to enhance personal consciousness and experience in community." This option requires the completion of both academic and performance courses.	September 2019	07/03/2019
Faculty of Music	World and Popular Music		2	Open to Music undergraduate students in all Music undergraduate degree programs.	The Certificate in World and Popular Musics is to provide an opportunity for our students to broaden their musical perspectives, to become familiar with a sample of the huge diversity of music that flourishes in Toronto and the world at large, and to re-imagine music as a space of dialogic encounter. In the words of John Blacking, "The ultimate goal is personal and social transformation: music-making must be used to enhance personal consciousness and experience in community." This option requires the completion of both academic courses only.	September 2019	07/03/2019

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OISE	Certificate in Leadership in Higher Education OIHEL CERT	LHAE	1		The Certificate in Leadership in Higher Education is a part-time program specifically designed to meet the professional development needs of individuals aspiring to be, or are currently in, leadership roles in colleges and universities. It will be offered only on a compressed format/cohort basis.	Fall 2007	09/01/2007
OISE	Certificate in Adult Education OIA CERT	LHAE	1		The Certificate in Adult Education provides an opportunity for interested applicants to broaden their knowledge of theory and methods in adult education. Specialized areas within the certificate are Adult Education and Sustainability; and Community Healing and Peacebuilding.	Fall 2001	09/01/2001
OISE	Certificate in School Management OIEEACERT	LHAE	1		The Certificate in School Management serves the professional development needs of school business officials and other educational administrators who desire to further their study in school administration.	Approx. Fall 2000	09/01/2000 or earlier
Toronto School of Theology	Conjoint Certificate in Spiritual Care and Psychotherapy	Emmanuel College Knox College	2	Conjoint Master of Pastoral Studies	The conjoint certificate, offered as part of the Master of Pastoral Studies, is designed to equip students to apply to professional bodies for membership, typically with a view to vocations as spiritual care therapists in hospitals, correctional institutions, churches, family therapy practices, private practices, counselling services, palliative care hospices, schools, developmental disability facilities, or the military.	Fall 2016	05/30/2016

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Toronto School of Theology	Conjoint Certificate in Theological Studies	Emmanuel College, Knox College, Regis College, St. Augustine's Seminary, St. Michael's College, Trinity College, Wycliffe College	1		This certificate is intended to provide university graduates with a general university-level foundation in Christian studies. It would require seven semester courses (3.5 FCE) and could be taken on a full-time or part-time basis. The focus of the conjoint certificate is to provide the necessary academic background for those interested in applying to the MA in Theological Studies, but lacking the admissions requirement of a bachelor degree in Theology or a major or specialist in Theology or Religious Studies. It will be offered by all seven member institutions of the Toronto School of Theology	Winter 2019	04/23/2018
Toronto School of Theology	Conjoint Certificate in Theology and Interreligious Engagement	Emmanuel College, Knox College, Regis College, St. Augustine's Seminary, St. Michael's College, Trinity College, Wycliffe College	1		The proposed Post-Baccalaureate Certificate in Theology and Interreligious Engagement is intended to provide university graduates with a general university-level foundation in theological and practice-based approaches to religious pluralism and interreligious engagement through the exploration of religious texts and histories, spiritualities and practices, and theologies and theories of religions. It will require seven courses (7 x 0.5 FCE) and can be taken on a full-time or part-time basis. The focus of the conjoint certificate is to provide the necessary academic foundation for those working in multi-faith contexts as well as those who are interested in developing this area for professional development. For example, hospital	Anticipated: Fall 2019	03/25/2019

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					or school chaplains, social workers, etc. A second focus is to provide necessary background in the area of religious texts and histories, theologies of religion and contextual practices for those interested in applying to various degrees such as the Master in Pastoral Studies, Master of Religious Education, Master of Divinity, Master of Theological Studies and MA in Theological Studies. It will be offered by all member institutions of the Toronto School of Theology (TST).		
University of Toronto Mississauga	Certificate in Advanced Economics	Department of Economics	2	Economics, BComm (Specialist) Economics, HBA (Specialist, Major, Minor)	The Certificate in Advanced Economics will provide interested students with a rigorous and advanced study of the theoretical and analytical foundations of its main fields beyond the scope of their current programs of study. Courses will be offered in three main fields: microeconomics, macroeconomics, and econometrics. Completion will help prepare students for graduate studies in the area by providing a more formal and deeper analysis of economic models and their application.	September 1, 2019	01/15/2019
University of Toronto Mississauga	Certificate in Curatorial Studies	Department of Visual Studies	2	Art History (Major, Specialist) Art and Art History (Major, Specialist)	Capitalizing on existing courses offered by the Department of Visual Studies, local experiential learning opportunities, and the expertise of the Director/Curator of UTM's Blackwood Gallery, the Curatorial Studies Certificate offers students a compact introduction to the history, theory, and practice of curation, with a focus on	Sept 2017	September, 2017

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					curating contemporary art in a global and Canadian context.		
University of Toronto Mississauga	Certificate in Global Perspectives	Department of Language Studies	2	All Specialist, Major and Minor programs offered by UTM.	The Certificate in Global Perspectives is part of a tri-campus initiative to create a series of new academic certificates that will develop globally-minded citizens across disciplines. This Certificate will encourage the examination of issues from different cultural, economic, and socio-political perspectives as well as provide an interdisciplinary or disciplinary lens through which to interpret and evaluate our interconnected world.	September 1, 2019	01/15/2019
University of Toronto Scarborough	Certificate Program in Business	Department of Management	1		This is a part-time program designed to provide students with the skills they need to function as managers in today's rapidly changing workplace. The program also gives students who already have degrees in other fields of study an opportunity to focus on business studies. In addition, courses in the program can be used towards various professional designations. Students must complete a total of 6.0 credits, and earn a CGPA of at least 2.0.	1997-98	
University of Toronto Scarborough	Certificate in Biological Sciences Research Excellence	Department of Biological Sciences	2	Specialist Programs in: Conservation and Biodiversity (HBSc); Human Biology (HBSc); Integrative Biology (HBSc); Molecular Biology and Biotechnology	This Certificate will recognize students' research accomplishments in experiential, research-based learning experiences throughout their undergraduate programs.	Fall 2019	05/02/2019

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				(HBSc) – Co-op and non-Co-op; Major Programs in: Biology (HBSc); Conservation and Biodiversity (HBSc); Human Biology (HBSc); Molecular Biology, Immunology and Disease (HBSc); Plant Biology (HBSc)			