

FOR INFORMATION

PUBLIC

OPEN SESSION

TO: Committee on Academic Policy and Programs

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DATE: April 28, 2022 for May 5, 2022

AGENDA ITEM: 10

ITEM IDENTIFICATION:

- I. Annual Report on Major Modifications, 2021-22
- II. Annual Report on Transcript Notations, 2021-22
- III. Report on Administrative Changes and Minor Modifications Affecting Program Structure

JURISDICTIONAL INFORMATION:

The Councils of the academic divisions and the Academic Affairs Committees of the University of Toronto Mississauga (UTM) and University of Toronto Scarborough (UTSC) have delegated authority to approve major modifications to existing degree programs. The Committee on Academic Policy and Programs (AP&P) receives for information annual reports on major modifications (as defined in the University of Toronto Quality Assurance Process (UTQAP)) and on the established and on the establishment and termination of transcript notations (*AP&P Terms of Reference, Section 4.4*)

GOVERNANCE PATH:

1. Committee on Academic Policy and Programs [for information] (May 5, 2022)

PREVIOUS ACTION TAKEN:

The first report of this kind under the UTQAP was provided to the AP&P in 2011-12, and reports have been provided annually since then.

HIGHLIGHTS:

- I. Contained within the 2021-22 Annual Report on Major Modifications are items that have been approved under delegated authority by the Councils of the academic divisions and the UTM and UTSC Academic Affairs Committees.

The UTQAP, as approved September 21, 2012 by the Ontario Universities Council on Quality Assurance, defines a major modification as “a restructuring of a program, a merger of existing programs or a renewal of a program in order to keep it current with its academic discipline” (UTQAP, page 17). This definition is subject to change.

Major modifications, broadly, are understood to include the following:

A. Significant changes to program requirements:

- Creation of a new program of specialization where another with the same designation already exists (e.g., a new specialist program where a major with the same designation already exists);
- Addition of a new major or specialist that does not differ substantially in program; requirements or learning outcomes from an existing program;
- Merger of two or more existing programs;
- Creation of a new combined program;
- Creation of a freestanding minor where there is no existing program of specialization;
- The creation of new bridging options for college diploma graduates;
- The introduction or deletion of a thesis requirement, co-op requirement or placement at the undergraduate or graduate level;
- The creation or deletion of a field within an existing graduate program;
- The creation or deletion of a stream within an existing undergraduate program.

B. Significant changes to the learning outcomes:

- Changes to program content that affect the learning outcomes, but do not meet the threshold for a “new program.”

C. Significant changes to the faculty engaged in delivering the program and/or to the essential physical resources as may occur, for example, where there have been changes to the existing mode(s) of delivery (e.g., different campus, online delivery, inter-institutional collaboration):

- A change to the language of the program;
- The establishment of an existing degree program at another institution or location
- Change in mode of delivery of a program such as from classroom to online or full-time to part-time.

Proposals for major modifications are developed in consultation with the Office of the Vice-Provost, Academic Programs and approved at the level of the Faculty/Division. Major modifications are reported annually to the Quality Council by the Office of the Vice-Provost, Academic Programs.

- II. There are no changes to Transcript Notations to report this year.
- III. This list of minor modifications to programs is routinely provided to shared-service offices to ensure they remain abreast of such changes that affect for-credit academic programs. It is also provided to the AP&P for reference and to give a complete perspective regarding on-going academic change.

FINANCIAL IMPLICATIONS:

There are no financial implications.

RECOMMENDATION:

For information.

DOCUMENTATION PROVIDED:

- Report on Major Modifications
- Report on Minor Modifications Affecting Program Structure

I Report on Major Modifications 2021-22

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
Faculty of Applied Science and Engineering	Global Leadership (Minor)	Not applicable	Undergraduate	Major Mod: Add new freestanding minor	The new freestanding Minor in Global Leadership's will develop students' collaborative global leadership skills and capacity to critique what is global leadership and how this concept is understood and challenged in diverse disciplines and contexts. The minor is designed as a tri-campus collaboration among a number of undergraduate divisions and is approved by each participating division. The minor is 4.0 credits and includes three (2.0 credits) core global leadership courses that are sequenced, experiential and are taken by all students in the minor, regardless of their home division. The remaining 2.0 credits are made up of electives in the area taken within the student's home division.	12/16/2021	9/1/2022
Faculty of Applied Science and Engineering	Bioengineering (Minor); Biomedical Engineering (Minor)	Not applicable	Undergraduate	Major Mod: Merge two or more programs. Major Mod: Closure of a	Due to existing academic overlap between the Minor in Bioengineering and the Minor in Biomedical Engineering, the Minor in Biomedical Engineering will close, and its requirements and courses will be integrated into the Minor in Bioengineering. Administrative suspension of enrolment in the program is effective April 30,	2/18/2022	Closure of Minor in Biomedical Engineering: 6/30/2026.

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
				freestanding minor. Major Mod: Change program learning outcomes.	2022. In addition, the requirements for the Minor in Bioengineering have changed to include a requirement for a laboratory or hands-on experience, and courses for the minor have been grouped into three themes, molecular engineering; cell and tissue engineering; and clinical engineering, to provide pathways for students in focusing their electives. The proposal also takes the opportunity to formally articulate the learning outcomes of the Bioengineering minor.		Changes to Minor in Bioengineering: 5/1/2022
Faculty of Applied Science and Engineering	Mechanical and Industrial Engineering (Master of Engineering [MEng]; Master of Applied Science [MAsc]; Doctor of Philosophy [PhD])	Department of Mechanical and Industrial Engineering	Graduate	Major Mod: Close a field, option, concentration, stream	The nine fields of the MEng, MAsc and PhD in Mechanical and Industrial Engineering are closing. The fields were created under the previous graduate quality assurance process in Ontario to allow for advertising the programs' areas of strength. The department did not admit or formally group students into specific fields, and program requirements for all the degree programs were the same regardless of a student's area. Since the existing fields belong to an earlier time and were never used to formally classify or group students in any University systems, the existing fields will close.	4/27/2022	9/1/2022

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
Faculty of Applied Science and Engineering	Civil Engineering (Doctor of Philosophy)	Department of Civil and Mineral Engineering	Graduate	Major Mod: Add a field, option, concentration, stream	A flexible-time option has been added to the PhD in Civil Engineering to allow a small number of practicing professionals in the area, who require a modified time period in order to take the PhD, to apply and complete the PhD program. Students in a University of Toronto (U of T) flexible-time PhD program option will register full-time during the first four years and will switch to part-time registration during subsequent years in the program. Students will complete the same requirements as the regular PhD students, but at a slightly slower pace. The program length of this option is six years.	4/27/2022	9/1/2022
Faculty of Applied Science and Engineering	Collaborative Specialization in Neuromodulation (Master's; Doctoral)	Not applicable	Graduate	Major Mod: Add Collaborative Specialization	The new Collaborative Specialization (CS) in Neuromodulation will provide interdisciplinary training for students in the areas of engineering, medicine and neuroscience, and support a new generation of integrative thinkers who will be able to operate seamlessly in the neuromodulation space in clinical/engineering environments. The CS is offered at the master's and doctoral levels and the six initial participating programs are: Biomedical Engineering; Electrical and Computer Engineering; Chemical Engineering and Applied Chemistry; Materials Science and	4/27/2022	9/1/2022

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
					Engineering; Mechanical and Industrial Engineering; and Medical Science. Students will complete one 0.5 full-course equivalent (FCE) required course and an additional 0.5 FCE course from a list. All students will complete a master's or PhD thesis in the area.		
Faculty of Applied Science and Engineering	Collaborative Specialization in Robotics (Master's; Doctoral)	Not applicable	Graduate	Major Mod: Add Collaborative Specialization	The new Collaborative Specialization (CS) in Robotics is designed to build a structured community of practice that combines engineering and computer science approaches to robotics and its applications, including health care, mobility and advanced manufacturing. The CS is offered at the master's and doctoral levels and the six initial participating programs are: Aerospace Science and Engineering; Biomedical Engineering; Computer Science; Electrical and Computer Engineering; Mechanical and Industrial Engineering; and Rehabilitation Sciences. Students will complete a seminar series, 0.5 full-course equivalent (FCE) course from a list and either a master's or PhD thesis in the area.	4/27/2022	9/1/2022
Faculty of Arts and Science	Creative Writing (Minor)	Department of English	Undergraduate	Major Mod: Add new freestanding minor	The new Minor in Creative Writing responds to the high level of interest expressed from students for a program in this field, and will support students' career goals in a variety of professional	12/8/2021	3/1/2022

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
					writing endeavours such as copywriting, technical writing, editing, content creation, marketing and public relations. The minor will be devoted wholly to writing, with an intensive concentration on creative work. It will be 4.0 credits and include workshop-based courses at the 300 level that will allow students to engage in specific forms of writing including poetry, fiction and creative non-fiction. Students will further delve into areas such as long-form writing and literary citizenship in their 400-level courses.		
Faculty of Arts and Science	Medical Anthropology (Minor)	Department of Anthropology	Undergraduate	Major Mod: Add new freestanding minor	The new freestanding Minor in Medical Anthropology expands the department’s undergraduate offerings in this subdiscipline and responds to increasing student demand for training and skills in this area. It also responds to recommendations from the department’s most recent University of Toronto Quality Assurance Process (UTQAP) review. Medical Anthropology draws on both socio-cultural and evolutionary anthropology to examine the causes of illness, as well as the cultural interpretations of and social responses to illness. Students enrolled in the minor will gain exposure to both the biological as well as the sociocultural aspects of human health, and develop a holistic understanding of the	12/8/2021	3/1/2022

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
					approaches and methodologies around investigating the causes of illness.		
Faculty of Arts and Science	Asian Geographies (Minor); Asian Literatures and Cultures (Minor); Biology (Minor); Nanoscience (Minor)	Departments of Chemistry; Ecology and Evolutionary Biology; English; Geography and Planning	Undergraduate	Major Mod: Close freestanding minor	The four Faculty of Arts and Science Minors, offered jointly with the National University of Singapore (NUS), were first approved in 2007 and 2008. The minors allowed U of T and NUS students to attend the other institution for one term and take courses towards a minor program. The minors were originally established with a small enrolment with hopes to grow to a stable cohort of 10 in each program, but historically demand has remained very low, making the programs unsustainable for both the NUS and U of T. In 2020-21 both parties agreed that the minors should close. Currently there are no students enrolled in the Asian Literatures and Cultures and Biology Minors. There are two students in each of the Asian Geographies and Nanoscience Minors who are expected to complete the minor in Winter 2022, or transfer completed credits towards another minor in the same department.	2/9/2022	4/30/2022
Faculty of Arts and Science	Applied Computing (Master of Science)	Department of Computer Science	Graduate	Major Mod: Add field,	A new concentration in Artificial Intelligence (AI) has been created in the Master of Science in Applied Computing (MScAC). The MScAC is	2/9/2022	9/1/2022

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	and Applied Computing [MScAC]			concentration, stream	offered through the Department of Computer Science and the new concentration will be offered in partnership with the Department of Statistical Sciences and the Faculty of Applied Science and Engineering. The concentration allows students to study AI from the vantage point of computational, statistical and engineering sciences. The concentration's requirements follow the structure of the existing MScAC program which includes 1.0 full-course equivalent (FCE) of required courses, 2.0 FCEs in the area of the concentration and an eight-month industrial internship.		
Faculty of Arts and Science	The Study of Religion (Master of Arts; Doctor of Philosophy)	Department for the Study of Religion	Graduate	Major Mod: Close field, concentration, stream	Nine fields are closing in the MA and PhD in the Study of Religion. The fields were created under the previous graduate quality assurance process in Ontario and historically functioned solely as informal research themes, not as formal fields. They do not have specific admission or program requirements and students did not apply to these fields or enrolled in them. In recent years, the departmental course offerings and faculty interests have evolved, making some of the existing field names out of date, so the department has decided the fields will close.	2/9/2022	9/1/2022

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
Faculty of Arts and Science	Planning (Master of Science in Planning [MScPI])	Department of Geography and Planning	Graduate	Major Mod: Change Program requirements. Major Mod: Close field, concentration, stream. Minor Mod: Rename element (emphasis, concentration, field, stream, focus).	An internal review of the Master of Science in Planning in 2020-21 recommended that changes be made to the degree program so that its academic options and the concentration names would reflect current trends in the planning profession. As a result, the following changes have been made: closure of the Urban Planning and Development concentration; the creation of a non-concentration option for students looking to acquire academic breadth; and the number of courses required to complete an MScPI concentration is reduced from 2.5 to 2.0 full-course equivalents (FCEs). As well, two concentrations are renamed to better reflect their academic area.	4/20/2022	9/1/2022
Faculty of Arts and Science	Political Science (Master of Arts)	Department of Political Science	Graduate	Major Mod: Close field, concentration, stream	The existing Political Economy of International Development field in the MA in Political Science is closing due to low student interest in the offering and the ongoing challenge faced by the department to staff the field's core course. Students currently in the field will be able to complete the field-specific courses. Students interested in this area will be encouraged to consider joining the existing Collaborative	4/20/2022	8/31/2024

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					Specialization in Development Policy and Power, which the MA degree program participates in.		
Dalla Lana School of Public Health	Public Health (Master of Public Health [MPH])		Graduate	Major Mod: Change mode of delivery. Major Mod: Change program requirements.	The program requirements of the Indigenous Health field in the Master of Public Health have changed through the creation of one new required course and the redesigning of four existing required courses to incorporate land-based learnings and teaching in order to support building of competencies in Indigenous worldviews, values and epistemologies. To further support these changes, the start date of the field has changed from September to May and these courses will be taught in various locations in the Summer session, including the U of T Hart House farm.	12/1/2021	5/1/2022
Dalla Lana School of Public Health	Public Health (Master of Public Health [MPH])		Graduate	Major Mod: Add field, concentration, stream	A new field called “Black Health” has been created in the Master of Public Health. This new field will provide graduate students with a culturally relevant program to fully understand Black public health issues in preparation for public health practice with Black communities. The requirements of the new field are similar to the existing six MPH fields. Students will be required to complete 10 full-course equivalents (FCEs), including 2.0 FCEs in required core MPH	3/30/2022	9/1/2023

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					<p>courses; a required practicum of at least 1.0 FCEs; 3.0 FCEs in the area of Black health, 0.5 FCE in either CHL5801H Health Promotion 1 or CHL5105H Social Determinants of Health; and up to 3.5 FCEs of elective space. There is no change to the MPH learning outcomes as a result of the new field.</p>		
Faculty of Dentistry	Dentistry (Master of Science [MSc]; Doctor of Philosophy)	Not applicable	Graduate	<p>Major Mod: Add field, concentration, stream. Major Mod: Close field, concentration, stream. Minor Mod: Rename element (emphasis, concentration, field, stream, focus).</p>	<p>The Faculty of Dentistry has closed its six existing fields as they were not used by the program, students were not formally grouped into specific fields and program requirements were not associated with them. The PhD flexible-time option has also closed because the option was not popular with students and there has been no enrolment in the option for 15 years. The proposal also establishes the 12 existing clinical dental specialties offered to MSc and PhD students as fields of study. This regularizes the existing offerings in U of T systems and allows for increased clarity of requirements and tracking among institutional offices. The names of five of the specialties have been updated to align with the nomenclature established by the Canadian Dental Association. The proposal also created a new field called “Dental Biomedical Sciences” in</p>	5/26/2021	9/1/2021

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					which MSc and PhD students who do not take a specialty will be enrolled. There is no change to the program learning outcomes or any requirements of either degree program as a result of these changes.		
John H. Daniels Faculty of Architecture, Landscape, and Design	Global Leadership (Minor)	Not Applicable	Undergraduate	Major Mod: Add freestanding minor	The new freestanding Minor in Global Leadership's will develop students' collaborative global leadership skills and capacity to critique what is global leadership and how this concept is understood and challenged in diverse disciplines and contexts. The minor is designed as a tri-campus collaboration among a number of undergraduate divisions and is approved by each participating division. The minor is 4.0 credits and includes three (2.0 credits) core global leadership courses that are sequenced, experiential and are taken by all students in the minor, regardless of their home division. The remaining 2.0 credits are made up of electives in the area taken within the student's home division.	2/16/2022	9/1/2022
Faculty of Kinesiology & Physical Education	Global Leadership (Minor)	Not applicable	Undergraduate	Major Mod: Add freestanding minor	The new freestanding Minor in Global Leadership's will develop students' collaborative global leadership skills and capacity to critique what is global leadership and how this concept is understood and challenged in diverse disciplines	1/21/2022	9/1/2022

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
					and contexts. The minor is designed as a tri-campus collaboration among a number of undergraduate divisions and is approved by each participating division. The minor is 4.0 credits and includes three (2.0 credits) core global leadership courses that are sequenced, experiential and are taken by all students in the minor, regardless of their home division. The remaining 2.0 credits are made up of electives in the area taken within the student's home division.		
Faculty of Law	Law (Master of Laws [LLM])	Not applicable	Graduate	Major Mod: add dual degree	A dual degree program has been created between the Faculty of Law's Master of Laws and the Torcuato Di Tella University's Bachelor of Laws. Dual degree programs allow students to study in two existing, approved degree programs — one at the University of Toronto and the other at an international peer institution — and complete the requirements and learning outcomes of both degree programs. Students are awarded both degrees. Students in this dual degree will spend the first four and a half years in the full-time Bachelor of Laws at Torcuato Di Tella University and then proceed to the full-time, one-year LLM at the U of T Faculty of Law.	10/27/2021	9/1/2022

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Faculty of Law	Global Professional Laws (Master of Global Professional Laws [GPLLM])	Not applicable	Graduate	Major Mod: Close field	The Law of Leadership concentration in the Global Professional Master of Laws has closed due to low applicant interest in the concentration. In spring 2021 the Faculty Law concluded that the concentration is not of enough interest to applicants to ensure its ongoing success. There are currently no students enrolled in the concentration. The remaining three concentrations in the GPLLM will remain open and are not impacted by the closure of this concentration.	10/27/2021	8/31/2022
Temerty Faculty of Medicine	Rehabilitation Science (Master of Science; Doctor of Philosophy)	Rehabilitation Sciences Institute (RSI)	Graduate	Major Mod: Add field, concentration, stream. Major Mod: Change program requirements. Major Mod: Change to program learning outcomes.	As a result of a four-year curricular review, the program requirements and program learning outcomes of the research-stream MSc and PhD in Rehabilitation Science have changed and a new field called "Speech-Language Pathology" (SLP) has been created as a seventh field within the MSc and PhD in Rehabilitation Science. The new SLP field replaces the standalone research-stream MSc and PhD in Speech-Language Pathology degree programs, also offered by RSI, which have been approved to close through a separate proposal. SLP is one of the academic areas within Rehabilitation Sciences. Students take similar requirements and apply for jobs within the	10/18/2021	9/1/2022

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					broader Rehabilitation sector, so streamlining SLP within the MSc and PhD in Rehabilitation Science degree programs was a logical step. As part of the curricular review, broad program objectives were developed to capture the overall goals and intentions of the MSc and PhD in Rehabilitation Science and these informed the articulation of explicit learning outcomes for each program in this proposal. The MSc and PhD coursework requirements have been reduced by 0.5 full-course equivalent (FCE). Some course content and course titles have been changed to better reflect the evolving field. PhD transfer option requirements have also been clearly articulated.		
Joseph L. Rotman School of Management	Finance (Master of Finance [MF])	Not applicable	Graduate	Major Mod: Change mode of delivery	The temporary pilot to offer a dual delivery option in the Master of Finance, which was started during the COVID-19 pandemic, has been extended until June 30, 2024. The pilot allows MF instructors to simultaneously provide students with in-person and online course delivery modes so that students may attend class in-person or online, and to switch back and forth. Extending the pilot will allow students who began the MF program in September 2021 to complete their entire program via dual delivery, and for the	2/23/2022	9/1/2022

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					cohort of students who will begin the MF program in September 2022 to complete their entire program via dual delivery. Extending the pilot also provides the MF program with more time to evaluate and consult with students and instructors on the possibility of making the mode of delivery change permanent through a major modification in the future.		
Ontario Institute for Studies in Education	Counselling Psychology (Master of Education)	Department of Applied Psychology and Human Development	Graduate	Major Mod: Add dual degree	A new dual degree program has been created between the U of T Master of Education in Counselling Psychology, Global Mental Health and Counselling Psychology field and China Medical University (CMU)'s Master of Science in Applied Psychology. Dual degree programs allow students to study in two existing, approved degree programs — one at the University of Toronto and the other at an international peer institution — and complete the requirements and learning outcomes of both degree programs. Students are awarded both degrees. Students in this dual degree will apply to the offering while in Year 1 of the CMU degree and if accepted, complete Year 2 of the U of T degree. Students will be dually registered at CMU and U of T in the Fall of Year 3.	12/15/2021	9/1/2023

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Ontario Institute for Studies in Education	Counselling Psychology (Doctor of Education)	Department of Applied Psychology and Human Development	Graduate	Major Mod: Add new dual degree	A new dual degree program has been created between the U of T Master of Education in Counselling Psychology, Global Mental Health and Counselling Psychology field and Zhejiang University (ZJU)'s Master of Applied Psychology (MAP). Dual degree programs allow students to study in two existing, approved degree programs — one at the University of Toronto and the other at an international peer institution — and complete the requirements and learning outcomes of both degree programs. Students are awarded both degrees. Dual degree students will apply to the offering while in Year 1 of the ZJU degree and if accepted, complete Year 2 of the U of T degree. Students will be dually registered at ZJU and U of T in the Fall of Year 3.	4/27/2022	9/1/2023
University of Toronto Mississauga	Digital Enterprise Management (Specialist, Honours Bachelor of Arts [HBA]); Communication, Culture, Information and Technology (Major, HBA);	Communication, Culture, Information and Technology (ICCIT)	Undergraduate	Major Mod: Change mode of delivery	The Major in Culture, Communication, Information and Technology (CCIT Major) and the Specialist in Digital Enterprise Management (DEM Specialist) have been jointly offered by the University of Toronto Mississauga (UTM) and Sheridan College since they were launched in Fall 2001 and Fall 2003. In response to ICCIT's University of Toronto Quality Assurance Process (UTQAP) review and in consultation with Sheridan	5/9/2022 (pending approval at time of reporting)	9/1/2022

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					<p>College, both institutions have agreed that the joint offering of the two programs will cease. Faculty hiring at UTM over the past 12 years has resulted in UTM having the resources in place to fully offer both programs. The final intake of UTM students into the joint CCIT Major and DEM Specialist is Fall 2021 and these students are expected to complete their program by 2024. Students unable to complete their joint program requirements by 2024 will be advised on a case-by-case basis by ICCIT staff and faculty and will be accommodated through UTM-based courses.</p>		
University of Toronto Scarborough	Global Leadership (Minor)	Department of Management	Undergraduate	Major Mod: Add new freestanding minor	<p>The new freestanding Minor in Global Leadership's will develop students' collaborative global leadership skills and capacity to critique what is global leadership and how this concept is understood and challenged in diverse disciplines and contexts. The minor is designed as a tri-campus collaboration among a number of undergraduate divisions and is approved by each participating division. The minor is 4.0 credits and includes three (2.0 credits) core global leadership courses that are sequenced, experiential and are taken by all students in the minor, regardless of their home division. The remaining 2.0 credits are</p>	3/23/2022	9/1/2022

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					made up of electives in the area taken within the student's home division.		
University of Toronto Scarborough	Applied Climatology (Minor)	Department of Physical and Environmental Sciences	Undergraduate	Major Mod: Add new freestanding minor	The new freestanding Minor in Applied Climatology will provide a multidisciplinary education that combines fundamentals of climatological science, applied climatology and environmental science to prepare students to observe and analyze past and present weather and climate change, understand the science of atmospheric and climate processes and evaluate the effects of human activity on the environment. The minor is 4.0 credits and students complete courses in three stages: 1) introductory calculus and physics as a basis for higher-year mathematics and physical science concepts, 2) foundational courses in statistics and climatology and 3) climate change impact assessment and applied climatology.	3/23/2022	9/1/2022
University of Toronto Scarborough	Environmental Biology (Specialist; Specialist Co-op)	Department of Physical and Environmental Sciences	Undergraduate	Major Mod: Change program requirements. Major Mod: Change program	Changes to the Specialist and Specialist Co-op in Environmental Biology include: changing program requirements; realigning of program learning outcomes to reflect the program changes; and changing the name of the offerings to "Global Environmental Change." The changes reflect that in recent years environmental biology, as a	4/27/2022	9/1/2022

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				learning outcomes. Minor Mod: Rename program (major, specialist, minor, graduate).	discipline, has come to reflect other areas of systems biology, cell biology, organismal biology and/or genetics. The program requirement changes and name change more accurately signals this approach and also better represents the department's teaching and research strength in core areas of global change science. Specific curricular changes include: re-arrangement of required and elective courses to support a focus closely on global environmental change topics; and students are exposed to research-focused courses earlier in the programs. Program learning outcomes have been revised to reflect core themes in environmental science and global environmental change.		
University of Toronto Scarborough	Conversation and Biodiversity	Department of Physical and Environmental Sciences	Undergraduate	Major Mod: Add new specialist, major, where one exists	A new Specialist Co-op in Conservation and Biodiversity has been created as an analogous offering to the existing Specialist in Conservation and Biodiversity. The new offering has the same program requirements and learning outcomes as the existing Specialist but adds a work-integrated learning component through the co-op activities. The co-op activities include a 12-week work term taken following the first year of study in which students will hone species identification skills	4/27/2022	9/1/2022

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					(fishes and plants), utilize relevant field-assessment methods and build on a multi-year database as research assistants. Students will contribute to a long-term biodiversity monitoring data set, which will be relevant to core research of department faculty members. It is followed by two additional work terms as well as professional development.		

III Report on Minor Modifications 2021-22

This list of minor modifications to programs is routinely provided to the shared-service offices to ensure they remain abreast of minor changes that affect for-credit academic programs.

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
Faculty of Applied Science and Engineering	Civil and Mineral Engineering (Master of Engineering [MEng]); Mechanical and Industrial Engineering (Master of Engineering [MEng])	Department of Civil and Mineral Engineering; Department of Mechanical and Industrial Engineering	Graduate	Create New Graduate Emphasis	Creating a new graduate emphasis in “Waterpower” developed in consultation with the Ontario Waterpower Association (OWA) with the intention of connecting students to potential careers, providing an academic pathway for waterpower professionals.	07/26/2021	09/01/2021
Faculty of Applied Science and Engineering	Collaborative Specialization in Psychology and Engineering (Master’s; Doctoral)	Not Applicable	Graduate	Renaming Graduate Collaborative Specialization	Renaming the graduate collaborative specialization in “Psychology and Engineering” to “Psychology, Psychiatry and Engineering” to better reflect the scope of study within the collaborative specialization and the addition of new participating degree programs: Medical Science (Master of Science [MSc]; Doctor of Philosophy [PhD]) from the Institute of Medical Science in the Temerty Faculty of Medicine.	04/27/2022	09/01/2022

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
Faculty of Arts & Science	Equity Studies (Major, Honours Bachelor of Arts [HBA]; Minor)	New College	Undergraduate	Renaming an Undergraduate Program	The Major and Minor programs in “Equity Studies” have been renamed to the Major and Minor in “Critical Studies in Equity and Solidarity”.	04/02/2020	03/01/2021
Faculty of Arts & Science	European Studies (Major; Honours Bachelor of Arts [HBA])	Centre for European, Russian, and Eurasian Studies	Undergraduate	Renaming an Undergraduate Program	The Major in “European Studies” has been renamed to the Major in “European Affairs” following a curricular review.	01/24/2022	03/01/2022
Faculty of Arts & Science	European Union Studies (Minor)	Centre for European, Russian, and Eurasian Studies	Undergraduate	Renaming an Undergraduate Program	The Minor in “European Union Studies” has been renamed to the Minor in “European Affairs” to better align with the unit’s Major.	01/24/2022	03/01/2022
Faculty of Arts & Science	Biological Chemistry (Specialist, Honours Bachelor of Science [HBSc]); Chemical Physics (Specialist [HBSc]); Chemistry (Major [HBSc]; Specialist [HBSc]); Environmental Chemistry (Major [HBSc]; Specialist [HBSc]); Material Science (Specialist	Department of Chemistry	Undergraduate	Create New Undergraduate Focus	Creating a new focus for Chemistry Majors and Specialists in “Practical Chemical Analysis”.	01/28/2022	03/01/2022

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
	[HSc]; Pharmaceutical Chemistry (Specialist [HSc])						
Faculty of Arts & Science	Management (Specialist, Bachelor of Commerce [BCom]); Accounting (Specialist [BCom]); Finance & Economics (Specialist [BCom])	Rotman Commerce	Undergraduate	Create New Undergraduate Focus	Creating a new focus for Rotman Commerce Specialists in “Managing in Diverse Economies (UofT Global Scholar)”.	01/27/2022	03/01/2022
Joseph L. Rotman School of Management	Management (Full- Time Master of Business Administration [MBA]); Management (Extended Full-Time Master of Business Administration [MBA])	Rotman School of Management	Graduate	Create New Graduate Emphasis	Creating a new graduate emphasis in “Data Analytics and Modeling” for Management students in the Full-Time and Extended Full-Time Master of Business Administration (MBA) programs. The introduction of emphases to these programs converts current areas of study into recognized graduate program components that can be captured in a meaningful way on student transcripts. Students in the combined degree programs: Law, Juris Doctor/ Management, Master of Business Administration (JD/MBA); Management,	02/23/2022	09/01/2022

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
					<p>Master of Business Administration/ Master of Global Affairs (MGA/MBA); Doctor of Pharmacy/ Management, Master of Business Administration (PharmD/MBA); Doctor of Medicine/ Management, Master of Business Administration (MD/MBA); Jeffrey Skoll Combined Bachelor of Applied Science in Engineering/Management, Master of Business Administration (BASc/MBA) are also eligible to complete the emphasis.</p>		
Joseph L. Rotman School of Management	<p>Management (Full-Time Master of Business Administration [MBA]); Management (Extended Full-Time Master of Business Administration [MBA])</p>	Rotman School of Management	Graduate	Create New Graduate Emphasis	<p>Creating a new graduate emphasis in “Finance” for Management students in the Full-Time and Extended Full-Time MBA programs. The introduction of emphases to these programs converts current areas of study into recognized graduate program components that can be captured in a meaningful way on student transcripts. Students in the combined degree programs: JD/MBA; MGA/MBA; PharmD/MBA; MD/MBA; Skoll BASc/MBA are also eligible to complete the emphasis.</p>	02/23/2022	09/01/2022

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
Joseph L. Rotman School of Management	Management (Full-Time Master of Business Administration [MBA]); Management (Extended Full-Time Master of Business Administration [MBA])	Rotman School of Management	Graduate	Create New Graduate Emphasis	Creating a new graduate emphasis in “Global Management” for Management students in the Full-Time and Extended Full-Time MBA programs. The introduction of emphases to these programs converts current areas of study into recognized graduate program components that can be captured in a meaningful way on student transcripts. Students in the combined degree programs: JD/MBA; MGA/MBA; PharmD/MBA; MD/MBA; Skoll BAsc/MBA are also eligible to complete the emphasis.	02/23/2022	09/01/2022
Joseph L. Rotman School of Management	Management (Full-Time Master of Business Administration [MBA]); Management (Extended Full-Time Master of Business Administration [MBA])	Rotman School of Management	Graduate	Create New Graduate Emphasis	Creating a new graduate emphasis in “Innovation, Entrepreneurship, and Business Design” for Management students in the Full-Time and Extended Full-Time MBA programs. The introduction of emphases to these programs converts current areas of study into recognized graduate program components that can be captured in a meaningful way on student transcripts. Students in the combined degree	02/23/2022	09/01/2022

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
					<p>programs: JD/MBA; MGA/MBA; PharmD/MBA; MD/MBA; Skoll BASc/MBA are also eligible to complete the emphasis.</p>		
Joseph L. Rotman School of Management	<p>Management (Full-Time Master of Business Administration [MBA]); Management (Extended Full-Time Master of Business Administration [MBA])</p>	Rotman School of Management	Graduate	Create New Graduate Emphasis	<p>Creating a new graduate emphasis in “Leadership” for Management students in the Full-Time and Extended Full-Time MBA programs. The introduction of emphases to these programs converts current areas of study into recognized graduate program components that can be captured in a meaningful way on student transcripts. Students in the combined degree programs: JD/MBA; MGA/MBA; PharmD/MBA; MD/MBA; Skoll BASc/MBA are also eligible to complete the emphasis.</p>	02/23/2022	09/01/2022
Joseph L. Rotman School of Management	<p>Management (Full-Time Master of Business Administration [MBA]); Management (Extended Full-Time Master of Business</p>	Rotman School of Management	Graduate	Create New Graduate Emphasis	<p>Creating a new graduate emphasis in “Marketing” for Management students in the Full-Time and Extended Full-Time MBA programs. The introduction of emphases to these programs converts current areas of study into recognized graduate program components that can be captured in a meaningful way on</p>	02/23/2022	09/01/2022

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
	Administration [MBA])				student transcripts. Students in the combined degree programs: JD/MBA; MGA/MBA; PharmD/MBA; MD/MBA; Skoll BSc/MBA are also eligible to complete the emphasis.		
Joseph L. Rotman School of Management	Management (Full-Time Master of Business Administration [MBA]); Management (Extended Full-Time Master of Business Administration [MBA])	Rotman School of Management	Graduate	Create New Graduate Emphasis	Creating a new graduate emphasis in “Strategy” for Management students in the Full-Time and Extended Full-Time MBA programs. The introduction of emphases to these programs converts current areas of study into recognized graduate program components that can be captured in a meaningful way on student transcripts. Students in the combined degree programs: JD/MBA; MGA/MBA; PharmD/MBA; MD/MBA; Skoll BSc/MBA are also eligible to complete the emphasis.	02/23/2022	09/01/2022
Joseph L. Rotman School of Management	Management (Full-Time Master of Business Administration [MBA]); Management (Extended Full-Time	Rotman School of Management	Graduate	Create New Graduate Emphasis	Creating a new graduate emphasis in “Sustainability and Society” for Management students in the Full-Time and Extended Full-Time MBA programs. The introduction of emphases to these programs converts current areas of study into recognized graduate program	02/23/2022	09/01/2022

Division	Program(s)	Academic Unit	Level	Type of Change	Description	Divisional Council Date (MM/DD/YYYY)	Effective Date (MM/DD/YYYY)
	Master of Business Administration [MBA])				components that can be captured in a meaningful way on student transcripts. Students in the combined degree programs: JD/MBA; MGA/MBA; PharmD/MBA; MD/MBA; Skoll BSc/MBA are also eligible to complete the emphasis.		
Ontario Institute for Studies in Education	Curriculum and Pedagogy (Master of Arts [MA]; Master of Education [MEd]; Doctor of Philosophy [PhD])	Department of Curriculum, Teaching and Learning	Graduate	Closure of a Graduate Emphasis	The Emphasis in “Qualitative Methodologies” was created in 2018 to focus on qualitative paradigms, approaches, and methods with and beyond the scope of schools and education. However, it attracted limited interest from students so the department has decided to close it. There are no students currently pursuing the emphasis.	11/26/2021	09/01/2022