

Report on Major Modifications 2020-21

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	Biomedical Engineering (Master of Engineering)	Institute of Biomedical Engineering	Graduate	Major Mod: Change mode of delivery. Major Mod: Change program requirements.	An Extended Full-Time (EFT) option has been added to the MEng in Biomedical Engineering. This will allow students to complete the program over six sessions rather than the regular full-time length of three sessions. Program requirements remain the same for students in the EFT and full-time options. This option provides students with more flexibility; additional time to secure industry internships; and further supports the experience of international students. In addition, the program requirements have changed to reduce the weight of the practicum from 1.5 full-course equivalents ¹ (FCEs) to 1.0 FCE. Students will take an additional 0.5 FCE over the course of their program, and the total number of required FCEs remains the same, 5.0 FCEs.	2/24/2021	9/1/2021
Faculty of Applied Science and Engineering	Chemical Engineering (Bachelor of Applied Science [BASc]); Civil Engineering (BASc);	Department of Chemical Engineering and Applied Chemistry; Department of Civil and	Undergraduate	Major Mod: Change program requirements.	The existing optional Professional Experience Year Internship Program has been restructured, based on wide consultation within the University and with employers, in order to better meet	10/23/2020	9/1/2020

¹ **Note:** In some divisions, the phrase “credit” is used instead of “full-course equivalent” (FCE). In all cases course weights are relative to a full course = 1.0.

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	Computer Engineering (BASc); Electrical Engineering (BASc); Engineering Science (BASc in Engineering Science); Industrial Engineering (BASc); Materials Engineering (BASc); Lassonde Mineral Engineering (BASc); Mechanical Engineering (BASc)	Mineral Engineering; Department of Materials Science and Engineering; Department of Mechanical and Industrial Engineering; Division of Engineering Science; Edward S. Rogers Sr. Department of Electrical and Computer Engineering; Institute for Aerospace Studies; Institute of Biomedical Engineering		Minor Mod: Program name change.	student demand; foster employer relationships; satisfy requirements for formal recognition as a co-operative education program; and meet the Faculty’s aspirations for enhanced experiential learning opportunities. The primary change is students will complete new development and career programming that will provide progressive skills and experiential learning context through a number of in-personal and online modules. There is a planned expansion of staff to support students in the offering. The name of the offering has changed to “Professional Experience Co-op Program.”		
Faculty of Arts and Science	Data Science (Specialist, Honours Bachelor of Science [HBSc]); Computer Science (Specialist, Major, HBSc); Statistical Science: Methods and Practice (Specialist, HBSc); Statistical	Department of Computer Science; Department of Statistical Sciences; Department of Mathematics; Department of Physics; Department of Philosophy; Department of	Undergraduate	Major Mod: Add co-op, internship, practicum	A professional internship program called Arts & Science Internship Program (ASIP) has been created to support the strategic priority of expanding experiential learning opportunities available to undergraduate students in order to better prepare students for lifelong success in the labour market. Students in eligible programs who are admitted will complete four professional development courses and 12 to 20 months of paid work experience. Students in ASIP	2/10/2021	9/1/2021

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	Science: Theory and Methods (Specialist, HBSc); Mathematics (Specialist, Major, HBSc); Applied Mathematics (Specialist, HBSc); Mathematics and Physics (Specialist, HBSc); Mathematics and Philosophy (Specialist, HBSc); Mathematical Applications in Economics and Finance (Specialist, HBSc); Mathematics and its Applications (Specialist, HBSc); Pharmacology and Biomedical Toxicology (Specialist, HBSc); Biomedical Toxicology	Pharmacology and Toxicology; Department of Chemistry; Centre for Industrial Relations and Human Resources; St. Michael's College			participating programs will apply in Year 1 or 2 of their degree program and complete ASIP and their degree in five years. There is a planned expansion of staff to support students in the offering. Initially 20 Faculty of Arts and Science programs will participate in ASIP. Additional academic programs will be added in subsequent years.		

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	(Specialist, HBSc); Pharmacology (Specialist, HBSc); Environment and Toxicology (Specialist, HBSc); Pharmaceutical Chemistry (Specialist, HBSc); Industrial Relations and Human Resources (Specialist and Major, Honours Bachelor of Arts [HBA]); Book and Media (Major, HBA)						
Faculty of Arts and Science	Book and Media (Major, Minor, Honours Bachelor of Arts)	St. Michael's College	Undergraduate	Major Mod: Change program requirements. Major Mod: Change to program	In response to the 2018 UTQAP ² review, the program requirements of the Major and Minor in Book and Media Studies have changed through: establishing a course prerequisite structure; creation of three new foundational courses; expansion of 300 and 400 course with a greater range of interdisciplinary perspectives; and revision of the capstone course to focus more on	2/10/2021	3/1/2021

² UTQAP = University of Toronto Quality Assurance Process

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				learning outcomes.	advanced topics in the thematic areas of the program. These changes will ensure students are introduced to core concepts and skills in a sequenced way and students will have a common foundation of knowledge prior to taking upper-year courses. These changes do not substantially alter the learning outcomes for the program. The program learning outcomes were re-articulated through the proposal to better reflect curriculum in the areas of Theories, Cultures, Histories and Industries in Book and Media.		
Faculty of Arts and Science	Environmental Chemistry (Major, Honours Bachelor of Science [HSc])	Department of Chemistry	Undergraduate	Major Mod: Add new specialist, major, where one exists	The new Major will replace the existing Specialist in Environmental Chemistry, which has been approved to close through a separate proposal. The Major responds to student preference for the flexibility to combine Major programs in different areas rather than taking one Specialist during their degree. The new Major is 8.0 credits and is similar in its requirements of environmental chemistry courses which includes a set of core courses that provide a fundamental background in chemistry. The program learning outcomes for the Major are based on those of the existing Specialist in Environmental Chemistry, with the same sequences of core courses in environmental	12/9/2020	3/1/2021

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					chemistry, physical chemistry, analytical chemistry and instrumentation consistent with the field.		
Faculty of Arts and Science	Material Culture (Minor), Semiotics and Communication Studies (Minor)	Victoria College	Undergraduate	Major Mod: Merge two or more programs. Major Mod: Change program learning outcomes. Major Mod: Closure of a freestanding minor. Minor Mod: Change to program name.	The Minor in Semiotics and Communication Studies is closing and five of its courses have been integrated into the existing Minor in Material Culture. This change was supported by the 2019-20 UTQAP review of Victoria College’s programs. The program learning outcomes of the Minor in Material Culture have changed to reflect the increased skills students will acquire in the areas of semiotics, sign theory, and interpretation. The name of the Minor in Material Culture has changed to “Minor in Material Culture and Semiotics” to better reflect its academic content. Admissions to the Minor in Semiotics and Communication Studies were suspended as of January 1, 2021. Students currently enrolled in this Minor will be given the option of completing it or transferring into the Minor in Material Culture and Semiotics.	2/10/2021	Changes to Minor in Material Culture: 3/1/2021. Closure of Minor in Semiotics and Communication: 8/31/2025.
Faculty of Arts and Science.	Pathobiology (Specialist, Honours Bachelor of Science)	Department of Laboratory Medicine and Pathobiology,	Undergraduate	Major Mod: Change program requirements	The program requirements of the Specialist in Pathobiology have changed through a process of curriculum renewal to further support students’ achievement of the existing learning outcomes.	2/10/2021	3/1/2021

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Temerty Faculty of Medicine.		Temerty Faculty of Medicine			Specifically, the new curriculum has been reorganized to be more logical, streamlined and modern, while expanding experiential learning and increasing program cohesiveness. The changes include: creation of an introductory pathobiology course that will support students' further study of molecular mechanisms and biomedical research work in Year 3; the addition of new Year 3 courses will enable students to develop the fundamentals and models required to study specific diseases in Year 4; and a new Year 3 Pathobiology Research Analysis and Project course that will provide students with experiential learning opportunities earlier in the curriculum.		
Faculty of Arts and Science	Collaborative Specialization in Editing Ancient and Medieval Texts (Doctoral)	Not applicable	Graduate	Major Mod: Closure of a collaborative specialization	The Collaborative Specialization (CS) in Editing Ancient and Medieval Texts is closing due to lack of student interest and declining enrolment in recent years, despite prior attempts to overhaul the program requirements in 2016. There have been no new students admitted to the CS since August 2020 and admissions were formally administratively suspended as of September 1, 2021. There are six students registered in the offering. These students will be supported to	2/10/2021	8/31/2026

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					complete the CS. The closure will allow the CS's supporting unit, the Centre for Medieval Studies, to free up and redirect faculty resources towards the unit's regular course offerings and overarching goals of its MA and PhD programs.		
Faculty of Arts and Science	Financial Economics (Master of Financial Economics)	Department of Economics	Graduate	Major Mod: Change mode of delivery	The Master of Financial Economics is a professional master's program in which students complete an internship at a financial institution in the Summer session. The program's start date has been changed from September 1 to July 1 to: better align with industry internship recruitment timelines; better prepare students for this recruitment by initiating professional development activities earlier; and to provide more flexibility in the sessions of the program in which students may complete their internship. Program requirements are not changing as a result of this change.	11/18/2020	7/1/2021
Faculty of Arts and Science	Global Affairs (Master of Global Affairs)	Munk School of Global Affairs and Public Policy	Graduate	Major Mod: Add new dual degree	A dual degree program has been created between the Faculty of Arts and Science's Master of Global Affairs and the London School of Economics and Political Science's Master of Public Administration. Dual Degree Programs allow students to study in two existing, approved degree programs one at the University of Toronto	12/9/2020	9/1/2021

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					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 begin their registration at the London School of Economics and Political Science. They will then proceed to the Master of Global Affairs at the University of Toronto during the summer of Year 1.		
Faculty of Arts and Science	Italian Studies (Master of Arts [MA])	Department of Italian Studies	Graduate	Major Mod: Add thesis requirement	An option to complete the MA in Italian Studies through a thesis option has been added to the program, which was a recommendation made during the 2012-13 UTQAP review. The existing coursework-only option will continue to be offered. The thesis option will enable students to acquire a deeper level of discipline-appropriate research methodologies and work in close collaboration with a faculty member on a research topic. Students in the thesis option will complete 3.0 FCEs of coursework as opposed to the 4.0 FCEs required for the course-based MA program, with the remaining 1.0 FCE equivalent to be fulfilled through a written research thesis supervised by a faculty member.	3/17/2021	9/1/2021

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Faculty of Arts and Science	Linguistics (Doctor of Philosophy [PhD])	Department of Linguistics	Graduate	Major Mod: Change mode of delivery. Major Mod: Change program requirements.	A direct-entry (five-year PhD) option has been added to the existing PhD in Linguistics. The option allows highly qualified applicants to be admitted to the PhD from the bachelor's degree. Students in the option will complete all of the four-year PhD program requirements and 2.0 additional FCEs of coursework. This will bring the program into alignment with most Linguistics PhD programs in North America which either admit only to the PhD from the bachelor's degree, or offer this as an option. The program has also made changes to the timing of PhD requirements and expanded the list of courses that may be used to satisfy the program's breadth requirement.	11/18/2020	9/1/2021
Faculty of Arts and Science	Philosophy (Master of Arts [MA], Doctor of Philosophy [PhD])	Department of Philosophy	Graduate	Major Mod: Closure of a field, option, concentration, stream	The 16 fields of the MA and PhD in Philosophy are closing. The fields were created in 2009-2010 under a different quality assurance process to allow for advertising the programs' areas of strength. The department did not admit or formally group MA or PhD students into specific fields, and program requirements for both degree programs were the same regardless of a student's area. In 2019-20 the department introduced a concentration into the MA and prefers that	11/18/2020	9/1/2021

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					nomenclature. Since the 16 existing MA and PhD fields are not used, and because graduate programs may not have fields and concentrations within the same program, the department has decided to close the fields.		
Faculty of Arts and Science (FAS). Ontario Institute for Studies in Education (OISE).	Education and Society (Minor, Honours Bachelor of Arts, Honours Bachelor of Science); Child Study and Education (CSE) (Master of Arts [MA])	Victoria College; Department of Applied Psychology and Human Development, OISE	Undergraduate; Graduate	Major Mod: Add new combined degree	Two new combined degree programs (CDP) have been created between the Honours Bachelor of Arts, Honours Bachelor of Science and Minor in Education and Society in the Faculty of Arts and Science and the Master of Arts in Child Study and Education. A CDP is a pathway that allows a student to be registered in two approved degree programs at the same time and complete the requirements of both in a manner that provides a benefit to the student. The new pathways allow students to gain early conditional graduate admission to OISE's MA in Child Study and Education and complete 1.0 FCE in graduate courses in Year 4 of their undergraduate studies.	FAS and OISE: 12/9/2020	9/1/2021
Faculty of Information	Information (Master of Information [MI])	Not applicable	Graduate	Major Mod: Closure field, concentration, stream	The Executive Delivery Option in the Information System Design concentration of the MI program has been approved to close. The option was created in 2016 to allow full-time working professionals to complete the concentration in a modular evening/weekend delivery format in six	3/25/2021	8/31/2021

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					sessions rather than four sessions. The option was not popular and enrolment in the option remained low. Students found the workload heavy in combination with their work commitments, and they often chose to switch to the part-time option of the MI. In 2018, the Faculty suspended admissions to the option and subsequently decided to close it. There are no students currently in the option.		
Faculty of Law	Global Professional Laws (Global Professional Master of Laws [GPLLM])	Not applicable	Graduate	Major Mod: Change mode of delivery	An Extended Full-Time Option (EFT) has been added to the Global Professional Master of Laws degree program that will allow students to complete the program in six sessions, rather than the full-time program length of three sessions. The majority of students in the degree program work full-time and the new option will support students who wish to pursue the program but are concerned about their ability to negotiate full-time studies in addition to their professional and personal commitments. Program requirements remain the same for students in either the full-time or EFT options.	2/10/2021	9/1/2021
Temerty Faculty of Medicine	Biochemistry (Master of Science [MSc],	Department of Biochemistry	Graduate	Major Mod: Change	As a result of a curriculum review, program requirements of the MSc and PhD in Biochemistry have been changed to: introduce a new	4/26/2021	9/1/2021

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	Doctor of Philosophy [PhD])			program requirements	foundational course for all MSc and PhD students; create 0.25 FCE courses out of existing non-course modules; and increase the elective space of the programs. The changes will: provide students with foundational skills and knowledge to better prepare them for their thesis; allow students to pursue a wider range of courses in their area; and allow for the academic content in the former modules to be reflected on their transcript as courses. Program learning outcomes have not changed as a result of this modification.		
Temerty Faculty of Medicine	Collaborative Specialization in Human Development (Doctoral)	Not applicable	Graduate	Major Mod: Closure of collaborative specialization	The collaborative specialization (CS) is closing due to low enrolment and student interest. Since the CS opened in 2014, academic content in the area has been integrated into the curriculum of several participating graduate programs so there is more opportunity for students to study the holistic picture of early human development within the stand-alone graduate programs. There are no students currently in the CS and admissions to it were administratively closed in January 2018.	10/19/2020	8/31/2020
Temerty Faculty of Medicine.	Medicine (Doctor of Medicine [MD]); Management, Full-Time Option (Master	Not applicable	Undergraduate; Graduate	Major Mod: Add new combined	A combined degree program (CDP) has been created between the MD and the full-time option of the MBA. A CDP is a pathway that allows a student to be registered in two approved degree	Rotman: 10/28/2020.	9/1/2021

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Joseph L. Rotman School of Management.	of Business Administration [MBA])			degree program	programs at the same time and complete the requirements of both in a manner that provides a benefit to the student. Students will apply to the CDP and the MBA in Year 3 of the MD and will start the MBA in year 4. Students will complete the requirements of both degrees in Spring of Year 5. This CDP slightly reduces the time to complete both degrees separately.	Medicine: 2/8/2021.	
Faculty of Kinesiology and Physical Education	Exercise Sciences (Master of Science [MSc], Doctor of Philosophy [PhD])	Not applicable	Graduate	Major Mod: Change Mode of Delivery. Minor Mod: Rename a program.	A direct-entry (five-year PhD) option has been added to the PhD in Exercise Science. This will allow strong applicants to be admitted to the PhD from an appropriate bachelor's degree. Students in this option will complete the regular PhD requirement plus an extra 1.0 FCE courses. The change will allow the Faculty to recruit top-level undergraduate applicants and will provide a pathway for eligible students who have completed a non-thesis-based master's program to apply to our PhD program without doing a second research-stream master's. As well, the degree program name for the MSc and PhD has changed from "Exercise Sciences" to "Kinesiology" to better reflect the dominant nomenclature in the discipline in Canada.	5/20/2020	9/1/2020

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Faculty of Kinesiology and Physical Education	Professional Kinesiology (Master of Professional Kinesiology [MPK])	Not applicable	Graduate	Major Mod: Add a field, option, concentration, stream. Minor mod: Change admission requirements. Minor Mod: Change program requirements.	Four concentrations — Exercise as Medicine; Health and Wellness; High Performance Strength and Conditioning; and Adapted Physical Activity — have been added to the MPK. Students may complete the MPK with or without concentration. This change will support students in articulating their areas of focus and formally recognize students' concentrated training in a specific area. As well, admission requirements have changed allow for applicants with an undergraduate degree in an area complementary to Kinesiology with related experience as eligible for admission. There have been minor program requirement changes to the sequencing of placement courses.	3/3/2021	9/1/2021
Leslie Dan Faculty of Pharmacy	Pharmacy (Master of Science)	Not applicable	Graduate	Major Mod: Add part-time/full-time option	The option to complete the Master of Science in Pharmacy through part-time registration has been added. The purpose of this program is to train future academic clinical pharmacist leaders. Applicants are working professionals who are practicing pharmacists. The new part-time option will allow students the flexibility to progress through the program at their own pace. Students will complete the same requirements of the full-time option, which will continue to be offered.	10/14/2020	1/1/2020

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Leslie Dan Faculty of Pharmacy	Collaborative Specialization in Precision Medicine (Doctoral)	Not applicable	Graduate	Major Mod: Add Collaborative Specialization	The new Collaborative Specialization (CS) in Next-Generation Precision Medicine will focus on the area of cutting-edge technologies and methods to develop novel therapeutic strategies, create new tools for disease diagnosis and enable a deeper understanding of disease biology. The CS is offered at the doctoral level and the four initial participating PhD programs are: Chemical Engineering and Applied Chemistry; Chemistry; Molecular Genetics; and Pharmaceutical Sciences. Students will complete a seminar series, 1.0 FCE of courses and the PhD thesis in the area.	4/27/2021	9/1/2021
Ontario Institute for Studies in Education	Curriculum and Pedagogy (Master of Education)	Department of Curriculum, Teaching and Learning	Graduate	Major Mod: Add new field, concentration, stream. Major Mod: Change program learning outcomes.	A new field called “Online Teaching and Learning” has been created in the Master of Education in Curriculum and Pedagogy. The field is designed for students who wish to learn how to be effective instructors and designers of online courses. Students will take the program’s existing core course and elective courses in the area. Two new program learning outcomes have been added as a result of adding a new field, and the program learning outcomes have been slightly re-articulated to include the idea on online delivery, along with in-person delivery, as part of the focus of the overall program learning outcomes.	10/28/2020	9/1/2021

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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 field, concentration, stream	A new field called “School Psychology” has been added to the Doctor of Education in Counselling Psychology. The focus of the existing Counselling and Psychotherapy field is on training practitioners in counselling and psychotherapy. The new field in School Psychology will provide doctoral-level training in school psychology for practitioners providing direct services to children and youth in the education system (K-12). The program is structured to provide students with the requirements necessary for registration as a Psychologist with competency in school psychology with the College of Psychologists of Ontario. This aligns with the department’s strategic area of priority of “Building our Policy and Practice Impact” that came out of the 2019-20 review of the programs.	10/28/2020	9/1/2021
Ontario Institute for Studies in Education	Higher Education (Master of Education)	Department of Leadership Higher and Adult Education	Graduate	Major Mod: Add new field, concentration, stream	New field called “Higher Education Leadership” has been created within the Master of Education in Higher Education. The field replaces an informal option that has run since 2007. The MEd in Higher Education is a course-based, professional degree designed primarily for higher education professionals seeking to advance their understanding of the issues confronting the	10/28/2020	9/1/2021

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					postsecondary sector. The new field is oriented to professionals working at entry and mid-levels in colleges and universities who wish to develop their careers in the area. There will be an intake every two years. Program learning outcomes are not changing as a result of the new field.		
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 Medicine and Mental Health. 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 — name and complete the requirements and learning outcomes of both degree programs. Dual degree students 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.	10/28/2020	9/1/2021
University of Toronto Mississauga	Minor in Chinese Language and Culture	Department of Language Studies	Undergraduate	Major Mod: Add new	The new freestanding Minor in Chinese Language and Culture is for students who possess near-native language proficiency in Chinese. It will	5/3/2021	9/1/2021

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				freestanding minor	primarily appeal to students who are already completing courses in the area and wish to have the minor recognized on their transcript. The department has offered Chinese language and culture courses for both non-native and advanced speakers for some time. The new Minor also responds to job market demand for professionals with training and understanding of Chinese language and culture.		
University of Toronto Scarborough	Environmental Chemistry, (Major and Major Co-op, Honours Bachelor of Science)	Department of Physical and Environmental Sciences	Undergraduate	Major Mod: Add new specialist, major, where one exists	The new programs Major and Major Co-op in Environmental Chemistry have been created where Specialist and Specialist Co-op programs in Environmental Chemistry already exist. The two new programs share the same requirements, save the co-op experience. They will appeal to students who are interested in Environmental Chemistry, but who do not wish to take the Specialist and wish to take an additional Major in another area. The Major programs retain the same key courses in chemistry and environmental sciences as the Specialist programs. The learning outcomes for the Major programs are aligned with the learning outcomes of the Specialist programs but have different levels of depth in knowledge acquisition.	3/23/2021	9/1/2021

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University of Toronto Scarborough	Statistics (Specialist and Specialist Co-op, Honours Bachelor of Science)	Department of Computer and Mathematical Sciences	Undergraduate	Major Mod: Add new field, concentration, stream. Minor Mod: Change to admission requirements. Minor Mod: Change to program requirements.	A new stream called “Statistical Science” has been added to the Specialist and Specialist Co-op programs in Statistics. The programs currently have two streams: Quantitative Finance and Statistical Machine Learning; and Data Science. The new stream will appeal to students who are interested primarily in data collection, design and inference. Creation of the new stream was supported in the 2019-20 UTQAP review. Students in the stream will achieve the same overall program learning outcomes of the other streams and will achieve one additional learning outcome within the Depth and Breadth of Knowledge degree level expectation. The proposal also includes minor modifications to the existing enrolment and course requirements for the programs.	3/23/2021	9/1/2021