

## Report on Major Modifications 2013-14

Faculty	Program	Unit (if applicable)	Degree Designation	Type of Modification	Brief Description of Modification	Date of Institutional Approval (MM/DD/YYYY)	Date Effective (MM/DD/YYYY)
Faculty of Applied Science and Engineering	Biomedical Engineering – Minor		n/a	Creation of new freestanding minor	This is the creation of a new, freestanding minor in Biomedical Engineering consisting of 3.0 full course equivalents (fces). Undergraduate Engineering students from any program interested in applications in the healthcare sector are eligible to apply for enrollment in the minor, with the exception of students enrolled in the Biomedical Systems Option of the Engineering Science program. The minor is designed to fit well with the third- and fourth-year programs in Chemical Engineering, Mechanical Engineering, Materials Science and Engineering, and Electrical Engineering. Additional, optional courses and activities supporting this minor will be created in order to expose interested students to the concepts of Biomedical Engineering from the start of their programs.	12/11/2013	9/1/2014
Faculty of Applied Science and Engineering	Engineering Leadership – Certificate		n/a	Creation of new for-credit undergraduate certificate	A new Certificate in Engineering Leadership is now available to undergraduate Engineering students, enabling them to enhance the breadth and depth of their program of study. Successful completion of the certificate, which consists of three one-semester courses, will be noted on the student's academic record.	12/11/2013	9/1/2014
Faculty of Applied Science and Engineering	Renewable Resources Engineering - Certificate	Faculty of Applied Science and Engineering/Faculty of Forestry	n/a	Creation of new for-credit undergraduate certificate	A new Certificate in Renewable Resources Engineering is now available to undergraduate Engineering students, enabling them to enhance the breadth and depth of their program of study. Interdisciplinary offerings will be made available to engineering students, drawing on the Faculty of Forestry's expertise in sustainable resource management, sustainable energy production, and product manufacture and sustainable communities. Successful completion of the certificate, which consists of three one-semester courses, will be noted on the student's academic record.	12/11/2013	9/1/2014

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Faculty of Applied Science and Engineering	Master of Applied Science and Doctor of Philosophy - Biomedical Engineering	Institute of Biomaterials and Biomedical Engineering	M.A.Sc., Ph.D.	Creation of new fields within existing program/closure of fields	Currently, the M.A.Sc. and Ph.D. programs in IBBME each have a general Biomedical Engineering field, and the Ph.D. program only also offers a concentration in Clinical Engineering. The existing general field of Biomedical Engineering has been closed and four new fields (reflecting long-established areas of research expertise) have been created for both the M.A.Sc. and Ph.D. programs: 1) Neural/Sensory Systems Rehabilitation; 2) Biomaterials, Tissue Engineering and Regenerative Medicine; 3) Nanotechnology, Molecular Imaging and Systems Biology and 4) Engineering in a Clinical Setting. For the Ph.D. program only, the current Clinical Engineering concentration has been converted to a fifth field in Clinical Engineering (now that fields and concentrations are equivalent), and it has a distinctive curricular pathway. The other four do not have a curricular pathway within either degree. The learning outcomes are common for the four but differentiated for the fifth within the Ph.D. The program has clarified the distinction between the fourth field (Engineering in a Clinical Setting) and the fifth field in Clinical Engineering.	12/11/2013	9/1/2014
Faculty of Arts and Science	Honours Bachelor of Science - Biological Physics - Specialist	Department of Physics	B.Sc., Hons.	Change program requirements, add new streams	Revisions to the Biological Physics Specialist program consist of several improvements and innovations, including the creation of three new streams (Biochemistry, Physiology, and Advanced Physics). The streams are designed to help students prepare for graduate-level study or professional careers in biomedical professional areas.	2/5/2014	9/1/2014
Faculty of Arts and Science	Creative Expressions and Society – Minor	Victoria College	n/a	Creation of new freestanding minor	The Minor in Creative Expression and Society allows students to develop creative and communicative proficiency by taking part in one or more workshop-style courses in fiction, non-fiction, or poetry writing and/or creative expression through aural and visual media. The program fosters the exercise of creativity while making the relationship of creative expression and social conditions a subject for reflection and dialogue. Students are required to take 4.0 FCEs for the Minor, at least 1.0 FCE of which must be at the third-year level or higher.	2/5/2014	9/1/2014

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Faculty of Arts and Science	Master of Arts - Slavic Languages and Literatures	Department of Slavic Languages and Literatures	M.A.	Significant changes to admissions requirements	A second admissions option, a two-year version of the existing Master of Arts in Slavic Languages and Literatures is available, preparing graduate students interested in pursuing an academic career in Slavic studies for demanding doctoral programs. This option provides creational linguistic, literary, and pedagogical training to graduate students whose undergraduate preparation does not fully meet the demands of the one-year M.A.	12/2/2013	7/1/2014
Faculty of Arts and Science	Science and Society - Minor	Victoria College/Institute for the History and Philosophy of Science and Technology	n/a n/a	Creation of new freestanding minor	This is the establishment of an interdisciplinary “Science and Society” Minor Program that is focused on current issues in the relationship of science and society.	02/05/2014	09/01/2014
Faculty of Information/ University of Toronto Mississauga (UTM)	Combined Honours Bachelor of Arts (Communication, Culture, Information and Technology Major; Interactive Digital Media Specialist; Digital Enterprise Management Specialist) UTM / Master of Information	Institute of Communication, Culture, Information and Technology, University of Toronto Mississauga/Faculty of Information	B.A., Hons./M.I.	Creation of new combined program	The program allows students to complete one of three existing Honours Bachelor of Arts undergraduate programs within the Institute of Communication, Culture, Information and Technology (ICIT) and a Master of Information (M.I.) in less time than would be required to complete them separately.	1/9/2014	9/1/2014
Faculty of Law	Juris Doctor		J.D.	Change in program requirements resulting in a change to the learning objectives	Requirements of the Juris Doctor (J.D.) degree program have been revised, in line with evolving requirements of the Canadian Bar and in response to new accreditation requirements. Changes include the creation of a course in business organization law and a minimum two-credit course dedicated to ethics and professionalism. The change is reflected in a revision to the learning outcomes for the J.D. degree to recognize explicitly that students will develop knowledge of legal and fiduciary concepts in commercial relationships and ethics and professional standards as a result of earning the degree.	11/27/2013	9/1/2014

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Faculty of Law	Master of Laws		L.L.M.	Creation of new concentration/field within existing program	A fourth concentration, “Health Law, Ethics and Policy”, has been added to the current three concentrations (Business Law, Criminal Law, and Legal Theory) within the existing general Master of Laws program. Students will graduate from the program with a deeper, broader and more sophisticated body of knowledge in the area of Health Law, Ethics and Policy.	11/27/2013	9/1/2014
Faculty of Medicine	Master of Science - Pharmacology	Department of Pharmacology and Toxicology	M.Sc.	Closure of a field, creation of a new field within existing program	This modification closes the Clinical Pharmacology field, one of four existing fields within the Master of Science (M.Sc.) Pharmacology program, and adds a new field, “Applied Clinical Pharmacology”. The new field will be course-based (8.0 FCEs), while the other three fields (Drug Metabolism / Toxicology, Neuropharmacology, and Drug Mechanisms / Signal Transduction and Regulation) are theses-based. The Applied Clinical Pharmacology field will focus on a refined approach to the learning outcomes compared to that of the former Clinical Pharmacology field.	2/10/2014	9/1/2014
Faculty of Music	Master of Arts and Doctor of Philosophy - Music		M.A./Ph.D.	Creation of new field within existing program	A new field, “Music Theory”, is now available in Music programs for both the existing Master of Arts and Doctor of Philosophy degrees. Music theory is the study of musical structure, including both the theoretical systems that underlie various compositional practices and the interpretive analysis of individual musical works. Currently, three fields are available to music graduate students - Musicology, Ethnomusicology, and Music Education. The admission and program requirements for the new Music Theory field are modeled on those of the existing Musicology field.	2/25/2014	9/1/2014

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Faculty of Music	Master of Arts and Doctor of Philosophy - Music		M.A./Ph.D.	Creation of new field within existing program	A new field, “Music and Health”, is now available in Music programs for both the existing Master of Arts and Doctor of Philosophy degrees. This new field, which complements the existing fields of Ethnomusicology, Music Education, and Musicology, focuses on the multi-faceted intersection of music and health through multi-disciplinary lenses. The core requirements establish breadth of understanding of the field by providing a cultural, neuroscience, social science, and applied perspective drawing on courses within the existing fields.	4/29/2014	9/1/2014
Faculty of Music	Master of Music - Music Performance		M.Mus.	Creation of new field within existing program	This modification adds a new field in “Historical Performance” within the existing professional Master of Music two-year, performance-focused program degree. The purpose of this new field is to provide an academic stream to foster graduate-level performance/scholarship into Western music written prior to 1800. The existing fields are in Composition, Instrumental, Vocal, Opera, Conducting, Jazz, Collaborative Piano, Vocal Pedagogy, and Piano Pedagogy.	10/29/2013	9/1/2014
Faculty of Music	Master of Music - Music Performance		M.Mus.	Creation of new field within existing program	A new field, “Music Technology and Digital Media”, has been added to the professional Master of Music (M.Mus.) degree, Music Performance program. Currently, the M.Mus. degree offers the following fields: Composition, Instrumental, Vocal, Opera, Conducting, Jazz, Collaborative Piano, Vocal Pedagogy, Piano Pedagogy, and Historical Performance. The new field of Music Technology and Digital Media fills a gap in existing offerings in the professional music stream. Students in this field will specialize in the use of music technology for diverse purposes, including sound recording, sound editing, sound synthesis, digital music composition, and as a component of live performance.	2/25/2014	9/1/2015

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Joseph L. Rotman School of Management	Doctor of Philosophy - Management		Ph.D.	Creation of new field within existing program	The existing Management Ph.D. program currently offers fields in Accounting, Finance, Marketing, Operations Management, Strategic Management, and Organizational Behavior and Human Resources Management. A new field, "Business Economics", will be added, providing in-depth knowledge in business economics and management, including relevant sub-disciplines within economics: Industrial Organization, International Economics or Urban / Real Estate Economics.	12/6/2013	9/1/2014
Lawrence S. Bloomberg Faculty of Nursing	Master of Nursing - Nursing Administration field		M.N.	Change in delivery model to online program and change in field name	This modification changes the delivery mode for an existing Master of Nursing field, Health Systems Leadership and Administration, (renamed from "Nursing Administration") from in-class to a cohort-based e-learning model. The requirements and learning outcomes of the existing field have not changed. The purpose is to increase access and flexibility as well as to enhance student learning and student experience. To support the cohort model, courses are offered and completed in a prescribed order (new learning builds on past learning). The online format includes several required residency periods embedded in course work. In the current program, students engage in one administrative practicum in their final course. A creation administrative practicum has been added to one first-year field of study course to further consolidate learning and strengthen learner administrative and leadership practices.	6/26/2013	9/1/2014
Leslie Dan Faculty of Pharmacy	Post-Baccalaureate Doctor of Pharmacy		Pharm.D.	Changes to program requirements affecting learning outcomes	Revisions to the existing Post-Baccalaureate Doctor of Pharmacy (Pharm.D.) program involve changing coursework and rotation requirements while increasing the flexibility to meet individual learning needs of practicing pharmacists. The Pharm.D. program requirements and learning outcomes ensure that graduates meet the 2010 Association of Faculties of Pharmacy of Canada educational outcomes.	05/14/2014	01/01/2015

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University of Toronto Mississauga	Bachelor of Business Administration - Management Specialist	UTM Department of Management	B.B.A.	Creation of new streams within existing program	Two streams have been created within the existing Management Specialist Program (Bachelor of Business Administration degree). One stream, "Management", will retain the learning outcomes of the original program. The second stream, "Human Resource Management & Industrial Relations" (HRMIR), shares a common core with the Management stream, but includes an additional set of HRMIR-related courses along with an internship component.	3/26/2014	9/1/2014
University of Toronto Mississauga	Ethics and Society - Minor	UTM Department of Philosophy	n/a	Creation of new freestanding minor	A new Minor in "Ethics and Society" has been added to the Department of Philosophy's existing suit of minors, which includes the general Philosophy Minor and the Philosophy of Science Minor. The new Minor builds on the Department's existing research strengths in the area of value theory, and it will enable students to focus on ethical issues in different social spheres and in different professional contexts.	2/12/2014	9/1/2014
University of Toronto Mississauga	Honours Bachelor of Science - Environmental Geosciences Specialist	UTM Department of Chemical and Physical Sciences/UTM Department of Geography	B.Sc., Hons.	Merger of two existing programs	Through the merger of the two existing programs, Earth Sciences Specialist in the UTM Department of Chemical and Physical Sciences and the Environmental Sciences Specialist in the UTM Department of Geography, UTM has established in specific response to changing accreditation requirements an "Environmental Geosciences" Specialist. The program is jointly offered and administered by the two Departments, alongside the two existing programs, which continue to be offered. The Departments have drawn on the two existing programs to establish a discrete Environmental Geosciences Specialist program specifically to meet the academic requirements for certification as a Professional Geoscientist (P.Geo.).	11/12/2013	9/1/2014
University of Toronto Mississauga	Latin American and Caribbean Studies - Minor	UTM Department of Historical Studies	n/a	Creation of new freestanding minor	A new Minor in "Latin American and Caribbean Studies" offers a comprehensive interdisciplinary introduction to Latin America and the Caribbean. Through a broad range of course offerings, students will study the history, languages, cultures, politics, and societies of Latin America and the Caribbean.	2/12/2014	9/1/2014

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University of Toronto Mississauga	Master of Management & Professional Accounting	UTM Institute of Management and Innovation	MMPA	Change in program requirements resulting in a change to the learning objectives	The UTM Master of Management & Professional Accounting Program (MMPA) has been modified through the introduction of new courses and changes to existing courses, resulting in small changes to the program's learning outcomes. These changes have been made in order to meet changed accreditation standards.	4/30/2014	5/1/2014
University of Toronto Mississauga	Visual Culture - Minor	UTM Department of Visual Studies	n/a	Creation of new freestanding minor	A new Minor in "Visual Culture" is housed within the UTM Department of Visual Studies and is offered in addition to programs in Art History, Cinema Studies, and Visual Culture and Communication (VCC). The new Minor program offers students an interdisciplinary, humanistic approach to the study of the production, circulation, and reception of images in everyday life, with an emphasis on those aspects of the visual field not covered by Art History and Cinema Studies, including the theoretical and historical study of visual perception and its relation to the other perceptual senses.	3/26/2014	9/1/2014
University of Toronto Scarborough	Arts Management - Specialist	UTSC Department of Arts, Culture and Media	B.A., Hons.	Creation of new streams within existing program	Two new streams have been added within the existing, undifferentiated Specialist in Arts Management program (Honours Bachelor of Arts degree). The first stream, "Standard Stream", will require 1.5 credits of Arts Management courses in addition to those required for the common core, and will reflect the course requirements and learning outcomes of the original undifferentiated program. The second stream, "Field Placement Stream", will require an additional 1.5 credits and a minimum of two 300-hour non-credit work term placements designed to enhance students' understanding of Arts Management through substantial exposure to its practice.	2/11/2014	9/1/2014

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University of Toronto Scarborough	Bachelor of Business Administration - Strategic Management - Specialist, Specialist Co-op	UTSC Department of Management	B.B.A.	Creation of new streams within existing program	Two new streams (“Management Strategy” and “Entrepreneurship”) have been added to the existing Specialist and Specialist co-operative programs in Strategic Management (Bachelor of Business Administration degree). The Management Strategy stream reflects the learning outcomes of the original program. The new stream in Entrepreneurship is an addition to the common core and will draw from existing theory and practice in the field of entrepreneurship and new venture capital.	11/12/2013	4/1/2014
University of Toronto Scarborough	English/Chinese Translation - Minor	UTSC Centre for French and Linguistics	n/a	Creation of new freestanding minor	A new, freestanding minor program in English/Chinese Translation has been added, which requires students to complete a total of 4.0 credits in translation theory and practice, linguistics, and Chinese language.	2/11/2014	4/1/2014
University of Toronto Scarborough	Geographic Information Science - Minor	UTSC Department of Human Geography	n/a	Creation of new freestanding minor	A new freestanding Minor program in “Geographic Information Science” (GIS) has been added, modeled on minor programs offered on the St. George and UTM campuses. The new program provides training in the use of GIS for spatial analysis, spatial data management, and cartographic representation and will introduce important research methodology theory and skills to students.	2/11/2014	4/1/2014
University of Toronto Scarborough	Honours Bachelor of Arts - Art and Culture - Specialist	UTSC Department of Arts, Culture and Media	B.A., Hons.	Closure of streams within existing program, change program name	Four streams within the Specialist program in Art and Culture (Honours Bachelor of Arts degree) (Art History, Curatorial Studies, Music, and Theatre & Performance Studies) have been closed. As well, the Specialist in Art and Culture, Studio stream, has been renamed to Specialist in “Studio”. Admission to the four streams being closed was suspended in 2010-11.	11/12/2013	4/1/2014

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University of Toronto Scarborough	Honours Bachelor of Arts and Honours Bachelor of Science - Anthropology - Specialist and Major	UTSC Department of Anthropology	B.A., Hons./B.Sc., Hons.	Change in program learning outcomes, admission requirements, change in program names	The admission requirements and learning outcomes of the existing Specialist and Major programs in Anthropology (Honours Bachelor of Arts and Honours Bachelor of Science) have been clarified, and the program descriptions have been explicitly separated within the Calendar. As well, the B.A., Hons. Specialist program name has been changed to Specialist in “Socio-Cultural Anthropology”, and the B.Sc., Hons. Specialist program name has been changed to “Evolutionary Anthropology”.	11/12/2013	4/1/2014
University of Toronto Scarborough	Honours Bachelor of Science - Cell and Molecular Biology - Major	UTSC Department of Biological Sciences	B.Sc., Hons.	Creation of major within existing program, change program name	There is an existing Specialist program in Molecular Biology and Biotechnology (previously named Cell and Molecular Biology). A new Major in “Molecular Biology, Immunology, and Disease” (Honours Bachelor of Science degree) will be added within the existing program. The curricular requirements for the new Major will be a subset of those of the existing Specialist program. Specifically, the new Major program will provide instruction and training in the fields of cell and molecular biology, immunology, and infection biology.	2/11/2014	4/1/2014
University of Toronto Scarborough	Public Law - Minor	UTSC Department of Political Science	n/a	Creation of new freestanding minor	A new freestanding Minor program in Public Law has been added, complementing the existing specialist, major and minor programs in Political Science. The new program provides students with the opportunity to acquire knowledge of a core sub-field of Political Science, considering matters such as the normative foundations of principles of justice and human rights; the role of constitutions and courts in safeguarding the rule of law, protecting civil liberties, and curbing state power; the constraints to state sovereignty posed by international law and international courts; and the implications of the legal order for democratic and legitimate policy-making.	11/12/2013	4/1/2014

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University of Toronto Scarborough	Master of Environmental Science	Graduate Department of Physical and Environmental Sciences	M.Env.Sc.	Creation of new fields within existing program	Two new fields, “Conservation and Biodiversity” and “Climate Change Impact Assessment”, are now offered within the Master of Environmental Science degree program, in addition to the existing “Biophysical Interactions in Terrestrial and Aquatic Systems” field. In alignment with the latter, both new fields include research and internship options. The Conservation and Biodiversity field trains professionals in the application of ecological theory and principles to real-world conservation challenges. The Climate Change Impact Assessment addresses the growing societal need for science-based, policy relevant expertise in assessing the impacts of climate change.	04/28/2014	9/1/2014