

Report on New Programs 2017-18

Faculty	Program	Unit (if Applicable)	Degree Designation	Type of Modification	Brief Description	Effective Date (MM/DD/YYYY)
Faculty of Arts and Science	Specialist in Data Science	Departments of Computer Science and Statistical Sciences	B.Sc.	New undergraduate program	The Specialist in Data Science (B.Sc.) responds to the demand for graduates with the capacity to curate and analyze data, as well as to think critically about the uses and abuses of big data. It was developed through the collaboration between of the Departments of Computer Science and Statistical Sciences, Faculty of Arts and Science. Students will acquire advanced expertise in statistical reasoning, methods and inference and receive training in computer science and machine learning. Students will also engage in the application of computer science and statistics to produce analyses of complex, large-scale datasets, and learn to communicate the results of these analyses. Admission will be indirect and limited. Students will complete 13.0 to 13.5 full-course equivalents including courses offered by the Departments of Computer Science and Statistical Sciences, and three new integrative courses in Data Science, which will include a capstone project. Graduates of this program will be well positioned to obtain employment in industry and government, where there is extraordinary demand for data scientists. They may also pursue graduate studies in computer science, statistics or related fields.	09/01/2018
Faculty of Medicine	Master of Health Science in Medical Genomics	Department of Molecular Genetics	M.H.Sc.	New graduate program	The Master of Health Science (M.H.Sc.) in Medical Genomics is a five-session, full-time professional master's degree program offered by the Department of Molecular Genetics, Faculty of Medicine. It consists of 9.0 full-course equivalents including a capstone practicum in the last session of the degree program. Genomics, the ability to read and interpret information contained within DNA, is a rapidly growing area with broad-reaching implications from bench to bedside. The M.H.Sc. in Medical Genomics responds to the growing knowledge gap between clinical practice and the discoveries stemming from genome-scale research in human genetics as advances in systems biology are outpacing the ability of undergraduate medical and scientific teaching to prepare medical and technical staff. The new degree program will provide both laboratory and clinical-focussed students with the theory and practical knowledge necessary to incorporate genomics data into medical practice. Potential applicants will be either working	09/01/2018

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					<p>physicians or laboratory professionals. The curriculum will consist of lecture, discussion and project-based courses across five sessions, with the intent to teach direct actionable skills and knowledge in a world where genetic and genomic data are routinely collected and analyzed across a wide range of patients and populations and medical indications. Depending on their background, students will either choose the Practicum in Patient Management and Medical Genomics, geared to those in patient-facing medical fields, or Practicum in Modern Genomics, which focuses on the laboratory and state-of-the-art genomics techniques.</p>	
Joseph L. Rotman School of Management	Master of Management Analytics	n/a	M.M.A.	New graduate program	<p>The Master of Management Analytics (M.M.A.) is a two-session, full-time professional master’s degree consisting of 12 required courses (6.0 full-course equivalents) aimed at students seeking expertise in business data analytics. It is offered by the Joseph L. Rotman School of Management. The goal of the M.M.A. program is to train professionals to design and implement multi-faceted solutions that bring the right quantitative decision tools to bear on business problems in various application contexts. It will also provide graduates with the skills to effectively communicate the results and insights arising from their analysis to both business executives and analytics professionals. The program has a custom-designed curriculum and will leverage the skills and interests of Rotman faculty along with the Rotman approach to business education, which features an emphasis on business problem modeling and solutions with an emphasis on business application. There will be an integrative capstone project completed in the last session, wherein students have the opportunity to synthesize their knowledge gained through the research-informed coursework and apply it to new business contexts.</p>	09/01/2018

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University of Toronto Scarborough	Master of Accounting and Finance	Graduate Department of Management, UTSC	M.Acc.Fin.	New graduate program	<p>The professional Master of Accounting and Finance (M.Acc.Fin.) degree program responds to a growing need in industry for those with dual professional designations in both Accounting and Finance and provides students with the opportunity to pursue the dual designations of the Chartered Professional Accountant (CPA) and the Chartered Financial Analyst (CFA). In addition, the research-informed curriculum has been designed to teach the ways in which Accounting and Finance are integrated and how the models and theories drawn from one discipline inform the other. The degree program will be offered over 16 months (four sessions) using a cohort-based model and is for pre-experience students. Students will complete a structured sequence of the equivalent of 8.5 full-course equivalents (FCEs) including 0.5 FCE in a co-op internship. It is offered on a full-time basis only. Graduates will be competitive in all industries, allowing them to become leaders in consultancy, project management, portfolio management and accounting. Specific careers are as account managers, wealth managers, analysts and consultants, ultimately advancing their careers into the highest level of leadership positions such as treasurers, chief financial officers (CFOs) and chief executive officers or presidents.</p>	05/01/2018