University of Toronto
Major Modification Proposal: Significant Modifications to Existing Graduate and Undergraduate Programs

This template should be used to bring forward all proposals for major modifications to existing graduate and undergraduate programs for governance approval under the University of Toronto’s Quality Assurance Process.

<table>
<thead>
<tr>
<th>Program being modified:</th>
<th>Information, Master of Information (MI)</th>
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</thead>
<tbody>
<tr>
<td>(Please specify exactly what program and which components of that are being modified, E.g., BA ... Specialist, Major, and Minor components.)</td>
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<tr>
<td>Proposed Major Modification:</td>
<td>Renaming the Knowledge Media Design (KMD) concentration to User Experience Design (UXD); changing program requirements of the same concentration</td>
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<tr>
<td>Department / Unit (if applicable):</td>
<td>Faculty of Information</td>
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<tr>
<td>Faculty / Academic Division:</td>
<td>Same as above</td>
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<tr>
<td>Dean’s Office contact:</td>
<td>Kelly Lyons, Associate Dean, Academic and Associate Professor Faculty of Information University of Toronto, (416) 946 3839</td>
</tr>
<tr>
<td>Proponent:</td>
<td>Same as above</td>
</tr>
<tr>
<td>Version Date: (please change as you edit proposal)</td>
<td>March 23, 2016</td>
</tr>
</tbody>
</table>

1 Summary

- Please provide a brief summary of the change(s) being proposed as it relates to the current structure of the program

The Faculty of Information proposes to change the name of the Knowledge Media Design (KMD) Concentration to User Experience Design (UXD) and make changes to 2.0 of the 2.5 FCE required courses to better reflect an orientation in the concentration toward professional practice and to enable co-op students to participate in the concentration. The changes ensure the concentration is more relevant and appropriate for the Faculty’s professional Master of Information program and that the knowledge the students gain can be
put into practice upon graduation or in workplace or client engagements during their program.

2 Effective Date

September 2016

3 Academic Rationale

- What are the academic reasons for the change proposed and how do they fit with the unit’s and Division’s academic plans

The overall academic goals of these changes are to better situate our existing user/media design-focused concentration within the current information profession landscape. The proposed changes will better align the concentration with our program goals of being “a research-led faculty, educating the next generation of academic and professional leaders in information, who join us in transforming society through collaboration, innovation, and knowledge creation”. Specifically, the changes will ensure that our design-focused concentration satisfies the following program goal: “to address changes in society, in the marketplace, and in technology by producing graduates who can deliver intellectual and professional leadership in key areas essential to our globalizing knowledge societies”. (see: http://current.ischool.utoronto.ca/system/files/user/108/mi_degree_program_goals_2014.pdf)

There are two changes being proposed:

1) **Change in the name of the concentration:** The current name of the concentration is Knowledge Media Design (KMD). Since we also have a Knowledge Media Design Institute (KMDI) and a KMD collaborative program there has been confusion about the difference between the concentration and the collaborative program. The institute (Knowledge Media Design Institute) and the accompanying collaborative program (Knowledge Media Design Collaborative Program -- CP) have a long history at the University of Toronto. The Knowledge Media Design name is appropriate for these historical entities and will remain the names of the Institute and the CP. However, for the Faculty of Information concentration, User Experience Design (UXD) is a more common term recognizable to prospective students and prospective employers. User experience design is defined (in Wikipedia) as: “User experience design encompasses traditional human–computer interaction (HCI) design, and extends it by addressing all aspects of a product or service as perceived by users.” The term “user experience” is commonly used in information school. The University of Western Ontario’s Master of Library and Information Science offers a course called “LIS 9706 User Experience Research” which “offers an overview of models and theories of how users interact with
information technology.” The University of Ottawa Faculty of Information offers a course called “ISI6342 Web Architecture and Technologies” that looks at “evaluation of the user experience” in website design and management specifically. The University of Michigan Faculty of Information states that some of their graduates are user-experience researchers and interaction designers. Other terms used to describe the profession of design in this context are: human-computer interaction, user interface design, participatory design, and user-centred design. Human-computer interaction is more frequently studied within computer science. User interface design is often used interchangeably with user experience design (both “user interface designer” and “user experience designer” are popular titles on LinkedIn) but user experience design is considered broader than design of a technology interface and is more appropriately studied in a Faculty of Information. Participatory design and user-centred design describe mechanisms for designing systems experienced by users but are considered more-narrow in scope than user experience design.

2) **Change in the required courses for the concentration:**

The general goals and outcomes for the concentration remain the same and the number of required courses remain the same but the UXD concentration will put slightly more of an emphasis on the professional aspects of design and slightly less emphasis on the scholarly aspects of design (as is the case with the current required courses in the KMD concentration) while retaining the academic rigour and research components of the Faculty of Information Master of Information. This change ensures the concentration is more relevant and appropriate for the Faculty’s professional Master of Information program and that the knowledge and outcomes the students gain can be put into practice upon graduation or in workplace or client engagements during their program.

Furthermore, there is a conflict in the requirements of the current KMD concentration with the more-recently introduced co-op option that was implemented in September 2015. Currently students in the co-op option are not able to take the KMD concentration because their work term takes place in the summer and fall terms of their second year and the INF1601Y KMD Capstone course takes place in the fall and winter terms of a student’s second year. To enable co-op students to take the KMD (UXD) concentration, the capstone course will be replaced with a half course that covers the material in the first half of the capstone and enable students to (optionally) satisfy the second part of the capstone (working with a client organization) through other workplace options including a co-op term.
4 Description of the Proposed Major Modification(s)

- Please describe in detail what changes are being proposed. Major modifications include changes to the program requirements that will significantly change what students will know and be able to do when they complete the program.
- Please be explicit about how the learning outcomes have changed and include either the both previous and proposed learning outcomes or one version of the current LOs with the new LO in track changes. You may wish to use Appendices A and B.
- Please provide Calendar copy either in track changes or as two separate documents in appendices C and D as applicable.¹

The current program requirements of the Knowledge Media Design (to be renamed User Experience Design) concentration are:

- 0.5 core FCE (INF 1005H and 1006H)
- 2.5 required FCEs (KMD 1001H, KMD 1002H, KMD 2001H, and INF 1601Y)
- 5.0 elective FCEs or
- co-op (1.0 FCE) plus 4.0 elective FCEs or;
- thesis (2.0 FCEs), research methods course (0.5 FCE), and reading course (0.5 FCE) plus 2.0 elective FCEs.

The academic changes discussed above will be reflected in a change in the 2.5 required FCEs. Specifically the changes will be:

a) **Remove KMD1002H as a Required Course**: Currently, KMD1002H Applications in Knowledge Media explores the definition and implications of Knowledge Media Design through a seminar format, guided largely by the research interests of seminar participants. This course takes a more scholarly and research approach to design.

b) **Add INF2170H Information Architecture (an existing course) as a Required Course**: In this course students learn how to structure online content to support effective information use and develop design skills related to structure of content.

c) **Add INFxxxxH Interface Design (a new course) as a Required Course**: In this expertise-building course, students will learn interface design principles.

d) **Replace the required capstone course INF1601Y KMD Capstone Project with a new half course INFxxxxH Representing UX** that provides students with experience with the tools and techniques used in user experience design to understand the user experiences.

¹ Other major modifications that may be included are significant changes to admissions requirements, significant changes to faculty engaged in program and; a change to mode of delivery, change to the language of the program and offering the program at another location or institution.
e) Replace KMD2001H Human-Centred Design with INF2169H User-Centred Information Systems Development: These are currently the same courses with different designations. It makes more sense to use the INF course for an Information concentration.

Non-coop students wishing to put their learning into practice may elect to participate in a workplace or client engagement through one of: INF2173H Information Professional Practicum; or KMD2002H Technologies for Knowledge Media in which students design technologies for knowledge media with a client organization. These would be recommended electives in the UXD concentration. Students in the coop option will put their learning into practice through their coop placement.

5 Impact of the Change on Students

- Outline the expected impact on continuing students, if any, and how they will be accommodated
- Please detail any consultation with students

Incoming students will be able to better differentiate between the UXD concentration and the KMDI Collaborative Program. Continuing students in the KMD Concentration will have the option to graduate under the current (KMD concentration) and its requirements or the UXD concentration and its requirements.

6 Consultation

- Describe the impact of the major modification on other programs and any consultation undertaken with the Dean and Chair/Director of relevant academic units

The change may affect the Collaborative Program in Knowledge Media Design because KMD 1002H associated with that collaborative program will no longer be a required course for the concentration. However, it may be selected as an elective by students in the concentration and it remains a required course in the Collaborative Program. Furthermore, KMD 2002H will become a recommended elective for this concentration. This may impact the enrolment in KMD 1002H. We have consulted with the Director of the Collaborative Program and the KMDI and he does not have any concerns about the changes.

Consultations with students and faculty has taken place through our Programs Committee and in faculty meetings as well as with specific members of the faculty in individual meetings. Student representatives on the Programs Committee have further consulted with their student groups and students currently in the Knowledge Media Design concentration were enthusiastic about the proposed changes. We also met with industry partners and potential...
employers (IBM, Microsoft, and RBC) to get their input on the change. All we spoke to were positive about the name change and the general direction of the concentration changes.

We have also consulted with the Dean of UTSC and the Dean at UTM as well as the Chair of MIE if they have any thoughts or concerns about the name User Experience Design (UXD) and they did not.

7 Resources

- Describe any resource implications of the change(s) including but not limited to faculty complement, space, libraries, and enrolment/admissions.
- Please be specific where this may impact significant enrolment agreements with the Faculty/Provost’s Office.
- Indicate if the major modification will affect any existing agreements with other institutions, or will require the creation of a new agreement to facilitate the major modification (eg. Memorandum of Understanding, Memorandum of Agreement, etc). Please consult with the Provost’s Office (vp.academicprograms@utoronto.ca) regarding any implications to existing or new agreements.

This is a name change and change in required courses. As such, there are no additional resources required; however, in addition to the use of existing resources, we have received funding and approval to advertise and hire someone as a Contract-Limited Term Appointment (CLTA). This person (once hired) will teach in the Faculty of Information and in the KMD Collaborative Program and so will be able to teach courses in this concentration.

8 UTQAP Process

<table>
<thead>
<tr>
<th>Steps</th>
<th>Approvals</th>
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<tbody>
<tr>
<td>Development/consultation within Unit</td>
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<tr>
<td>Consultation with Dean’s Office (&amp; VP, AP)</td>
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<td>Unit level approval as appropriate</td>
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<td>Faculty/ Divisional Council</td>
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<td>Submission to Provost’s Office</td>
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<td>AP&amp;P – reported annually</td>
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<td>Ontario Quality Council – reported annually</td>
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Appendix A: Current Learning Outcomes, and Degree Level Expectations

- Address how the design, structure, requirements and delivery of the program support the program learning outcomes and degree level expectations

<table>
<thead>
<tr>
<th>Degree Level Expectations</th>
<th>Program Learning Outcomes</th>
<th>How the program design / structure supports the degree level expectations</th>
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<tr>
<td><strong>EXPECTATIONS:</strong></td>
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<tr>
<td>This Master of Information is awarded to students who have demonstrated:</td>
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1. **Depth and Breadth of Knowledge**
   A systematic understanding of knowledge, and a critical awareness of current problems and/or new insights, much of which is at, or informed by, the forefront of the academic discipline, field of study, or area of professional practice.

   Depth and breadth of knowledge is defined in Master of Information as understanding and being conversant with fundamental concepts, theories, practices, and the diverse horizons of information disciplines.

   This is reflected in students who are able to:
   - understand the literature in their field and analyze and respond to changing information practices and needs of society.

   The program design and requirement elements that ensure these student outcomes for depth and breadth of knowledge for the UXD concentration are:
   - Required 2.5 FCEs (KMD 1002H, INF2170H, INFxxxxH, INFxxxxH, and INF 2169H course work and the 0.5 core FCE (INF 1005H and 1006H)

2. **Research and Scholarship**
   A conceptual understanding and methodological competence that i) Enables a working comprehension of how established techniques of research and inquiry are used to create and interpret knowledge in the discipline; ii) Enables a critical evaluation of current research and advanced research and scholarship in the discipline or area of professional competence; and iii) Enables a treatment of complex issues and judgments based on established principles and techniques; and, on

   Research and scholarship is defined in Master of Information as the ability to contribute through research and publication, to the continuous expansion and critical assessment of the body of knowledge underlying the information and archives sciences.

   This is reflected in students who are able to:
   - demonstrate a working comprehension of how established techniques of
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<tr>
<td>the basis of that competence, has shown at least one of the following: i) The development and support of a sustained argument in written form; or ii) Originality in the application of knowledge.</td>
<td>research and inquiry are used to create and interpret knowledge in the study of information; * critically evaluate current research and scholarship in the study of information and in related areas of professional competence. * build on established principles and techniques from the study of information to treat complex issues.</td>
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<td>3. Level of Application of Knowledge</td>
<td>Application of Knowledge is defined in the Master of Information as the development of understanding the theory concerning information, where it is found, and how it is used. This is reflected in students who are able to: * develop an understanding of complex systems, and the application of new technological developments to the curation, preservation and communication of information, along with the identification of the impact of such developments on society.</td>
<td>The program design and requirement elements that ensure these student outcomes for level and application of knowledge are: Required 2.5 FCE course work in each of the 7 concentrations and a .5 core course. Understanding the user experience and its relationship to design is integral to the required courses.</td>
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<td>4. Professional Capacity/Autonomy</td>
<td>Professional Capacity/Autonomy is defined in the Master of Information as knowledge and values appropriate to the future exercise of economic, cultural, and/or social leadership. Students continue in life-long intellectual growth beyond graduate.</td>
<td>The program design and requirement elements that ensure these student outcomes for professional capacity/autonomy are: embedded in the required and elective course of the MI program.</td>
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| consistent with academic integrity and the use of appropriate guidelines and procedures for responsible conduct of research; and d. The ability to appreciate the broader implications of applying knowledge to particular contexts. | This is reflected in students who are able to:  
- provide leadership in defining the social responsibility of information professionals to provide information services for all, regardless of age, educational level, or social, cultural, or ethnic background. | especially in 1005/1006 Information Workshop |
Appendix B: SGS Calendar Copy with Changes Tracked

2015-16 SGS Calendar

Information

Faculty Affiliation

Degree Programs

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<thead>
<tr>
<th>MI</th>
<th>Concentrations:</th>
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<td></td>
<td>Archives and Records Management</td>
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<td>Critical Information Policy Studies</td>
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<td>Culture and Technology</td>
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<td>Information Systems and Design</td>
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<td>Knowledge Management and Information Management</td>
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<td>Knowledge Media Design, User Experience Design</td>
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<td>Library and Information Science</td>
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Concurrent Registration Option (MI / MMSt)

Information Studies

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<tr>
<th>PhD</th>
<th>Concentrations:</th>
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<td></td>
<td>Archives and Records Management</td>
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<td></td>
<td>Critical Information Policy Studies</td>
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<td></td>
<td>Cultural Heritage</td>
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<td></td>
<td>Information Systems and Design</td>
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<tr>
<td></td>
<td>Knowledge Management and Information Management</td>
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<tr>
<td></td>
<td>Library and Information Science</td>
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<td>Philosophy of Information</td>
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Museum Studies

| MMSt | Concurrent Registration Option (MMSt / MI) |

Combined Degree Programs

| Communication, Information and Technology (Major), Honours BA / MI |
| Digital Enterprise Management (Specialist), Honours BA / MI |
| Interactive Digital Media (Specialist), Honours BA / MI |
| Law, JD / MI |

Diploma Program

| GDiplSt | Graduate Diploma of Advanced Study in Information Studies (a post-master’s diploma) |

Collaborative Programs
The following collaborative programs are available to students in participating degree programs as listed below:

1. **Addiction Studies**
   - Information, MI
   - Information Studies, PhD

2. **Aging, Palliative and Supportive Care Across the Life Course**
   - Information, MI
   - Information Studies, PhD

3. **Book History and Print Culture**
   - Information, MI
   - Information Studies, PhD
   - Museum Studies, MMSt

4. **Environmental Studies**
   - Information, MI
   - Information Studies, PhD

5. **Jewish Studies**
   - Information Studies, PhD
   - Museum Studies, MMSt

6. **Knowledge Media Design**
   - Information, MI
   - Information Studies, PhD
   - Museum Studies, MMSt

7. **Sexual Diversity Studies**
   - Information, MI
   - Information Studies, PhD
   - Museum Studies, MMSt

8. **Women and Gender Studies**
   - Information, MI
   - Information Studies, PhD

9. **Women's Health**
   - Information, MI
   - Information Studies, PhD

For more information, please visit [www.ischool.utoronto.ca](http://www.ischool.utoronto.ca).

**Overview**

The Faculty of Information combines strengths in the stewardship and curation of cultural heritage (libraries, archives, and museums) with leadership in the future of information practice as society is transformed by the rise of digital technologies.

The **Master of Information** program allows students to explore the breadth of information and to focus on one or more areas of study. Students may choose one of two pathways to completion: the general program including coursework-only or thesis options; or the concentration pathway in which students choose one or two of seven concentrations. Within the concentration pathway, students may complete the concentration(s) only, or concentration(s) plus a thesis, or concentration(s) plus a co-op placement.

The **Combined Degree Program in Communication, Culture, Information and Technology (Major), Honours Bachelor of Arts / Master of Information** allows students to complete two degree programs in less time than it would take to acquire them separately. For full details, see the Combined Degree Programs section of this calendar.

The **Combined Degree Program in Digital Enterprise Management (Specialist), Honours Bachelor of Arts / Master of Information** allows students to complete two degree programs in less time than it would take to acquire them separately. For full details, see the Combined Degree Programs section of this calendar.

The **Combined Degree Program in Interactive Digital Media (Specialist), Honours Bachelor of Arts / Master of Information** allows students to complete two degree programs in less time than it would take to acquire them separately. For full details, see the Combined Degree Programs section of this calendar.

The **Combined Degree Program in Law, Juris Doctor / Master of Information** program allows students to complete two degree programs in less time than it would take to acquire them separately. For full details, see the Combined Degree Programs section of this calendar.

The **Doctor of Philosophy** program in Information Studies provides opportunities for advanced scholarly inquiry into theoretical aspects of information and in the empirical investigations of information in various contexts.

The **Master of Museum Studies** program prepares students for future involvement in museums and related cultural
agencies. The program examines the theoretical body of knowledge of museology as a necessary context for professional practice. The Faculty of Information also provides a Concurrent Registration Option whereby students may register concurrently in the Master of Information and Master of Museum Studies programs.

A post-master’s **Graduate Diploma of Advanced Study in Information Studies** is also offered.

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**Contact and Address**

Web: [www.ischool.utoronto.ca](http://www.ischool.utoronto.ca)
Email: inquire@ischool.utoronto.ca
Telephone: (416) 978-3234
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University of Toronto
140 St. George Street
Toronto, Ontario M5S 3G6
Canada

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**Degree Programs**

**Information**

**Master of Information**

- The Faculty of Information offers two pathways to complete the Master of Information (MI) program:
  - **concentration pathway:** students choose one or two of seven concentrations and may complete:
    - concentration(s) only,
    - concentration(s) plus a thesis, or
    - concentration(s) plus a co-op (CCO)
  - **general program pathway** (no concentrations), including coursework-only or thesis options.

**Minimum Admission Requirements**

- Applicants are admitted under the General Regulations of the School of Graduate Studies. Application deadlines are available on the Faculty of Information website. Applicants must also satisfy the Faculty’s additional admission requirements stated below.
- An appropriate bachelor’s degree with at least a B average (3.0 GPA) from a university recognized by the University of Toronto. Generally, successful applicants hold an academic level of B+ (3.3 GPA) or higher in the final year.
- The bachelor’s degree must normally contain at least 75% academic credits—that is, courses that are not professional, practical, technical, or vocational. Courses such as studio art, drama or music performance, theology, education, or undergraduate courses in library science are not normally considered to be sufficiently academic in content for admission purposes.
- Applicants who meet current admission requirements and who hold a BLS degree from the University of Toronto, or its equivalent from an approved university, may be admitted to the MI program with advanced standing. Such students may be required to take additional courses if certain requisite instruction is lacking.
- Applicants who have satisfactory standing in an undergraduate program and who have successfully completed information studies graduate courses in programs equivalent to the University of Toronto MI program may also apply for admission with advanced standing. Each application will be evaluated individually. At least 4.0 full-course equivalents (FCEs) towards the MI degree must be taken at the University of Toronto.
- All incoming graduate students must have a good command of English. All applicants educated outside Canada whose primary language is not English must demonstrate proficiency in the English language. This requirement is a condition of admission and must be met before an offer of admission is made. The English language requirement may be satisfied using one of the following tests:
  1. Test of English as a Foreign Language (TOEFL) with the following minimum scores:
     - paper-based TOEFL exam: 600 with 5.5 on the Test of Written English (TWE)
     - Internet-based TOEFL exam: 100/120 with 24/30 on the speaking section and 27/30 on the writing section
  2. Michigan English Language Assessment Battery (MELAB) with a minimum required score of 95.
  3. International English Language Testing System (IELTS) with a minimum required score of 8.0.
  4. English Language Diagnosis and Assessment (ELDA)/Certificate of Proficiency in English (COPE) with a minimum required score of 6 and at least 3 in the writing portion.

**Concentration-Plus-Co-operative Option (CCO)**

- To be considered for the CCO, Year 1 full-time MI program students must apply during the first (Fall) session of
Concurrent Registration Option (CRO)

- Master of Information/Master of Museum Studies degree programs. Applicants interested in completing the Master of Information and the Master of Museum Studies degree programs concurrently must apply to and be accepted into each program separately and receive approval from the Graduate Coordinator in each program. Applicants should indicate interest in the concurrent registration option at the time of application to the second of the two programs.

Program Requirements

- The minimum requirement is completion of 8.0 FCEs, regardless of pathway or option therein.
- All students must successfully complete all degree requirements as outlined for either the concentration pathway or for the general program pathway.
- The Faculty of Information expects students to be competent in their use of information and communication technologies as appropriate to their programs of study.

Concentration Pathway

- The Faculty of Information offers seven concentrations leading to the MI degree:
  1. Archives and Records Management
  2. Critical Information Policy Studies
  3. Culture and Technology
  4. Information Systems and Design
  5. Knowledge Management and Information Management
  6. Knowledge Media Design/User Experience Design
  7. Library and Information Science

- Each concentration requires a total of 8.0 full-course equivalents (FCEs).

  Concentration-only option:
  - Two quarter-weight core courses (0.5 FCE total).
  - Five required half courses (2.5 FCEs total specific to each concentration); note: the Knowledge Media Design concentration requires three half courses and one full course.
  - Plus 10 additional elective half courses (5.0 FCEs total).

  Concentration-plus-thesis option: The thesis option allows students to gain experience in developing and executing a research project from beginning to end. Students gain familiarity with the research process and hone their research skills. The thesis option is designed for students who have a clearly defined topic, can find a supervisor, and can meet tight deadlines in order to graduate within the usual time frame envisioned for the degree.
  - Two quarter-weight core courses (0.5 FCE total).
  - Five required half courses (2.5 FCEs total, specific to each concentration); note: the Knowledge Media Design concentration requires three half courses and one full course.
  - One research methods course (0.5 FCE total).
  - One reading course (0.5 FCE total).
  - A thesis (2.0 FCEs total).
  - Plus four additional elective half courses (2.0 FCEs total).
  - Faculty approval is required to enter the thesis option.
  - For information about completing a thesis in the General Pathway, please see the General Pathway program requirements below.

  Concentration-plus-co-op option:
  - Two quarter-weight core courses (0.5 FCE total).
  - Five required half courses (2.5 FCEs total, specific to each concentration); note: the Knowledge Media Design concentration requires three half courses and one full course.
  - Two 12-week co-op courses (1.0 FCE total).
  - Plus eight additional elective half courses (4.0 FCEs total).

Concentration: Archives and Records Management (ARM)

- 0.5 core FCE (INF 1005H and 1006H).
- 2.5 required FCEs (INF 1003H, INF 1330H, INF 1331H or INF 2186H, INF 2175H, and INF 2184H).
- 5.0 elective FCEs or
co-op (1.0 FCE) plus 4.0 elective FCEs or
thesis (2.0 FCEs), research methods course (0.5 FCE), and reading course (0.5 FCE) plus 2.0 elective FCEs.

**Concentration: Critical Information Policy Studies (CIPS)**
- 0.5 core FCE (INF 1005H and 1006H)
- 2.5 required FCEs (INF 1001H, INF 2181H, INF 2198H, INF 2240H, and INF 2242H)
- 5.0 elective FCEs or
coop (1.0 FCE) plus 4.0 elective FCEs or
thesis (2.0 FCEs), research methods course (0.5 FCE), and reading course (0.5 FCE) plus 2.0 elective FCEs.

**Concentration: Culture and Technology (C&T)**
- 0.5 core FCE (INF 1005H and 1006H)
- 2.5 required FCEs (INF 1240H, INF 1501H, INF 1502H, INF 2010H, and INF 2241H)
- 5.0 elective FCEs or
coop (1.0 FCE) plus 4.0 elective FCEs or
thesis (2.0 FCEs), research methods course (0.5 FCE), and reading course (0.5 FCE) plus 2.0 elective FCEs.

**Concentration: Information Systems and Design (IS&D)**
- 0.5 core FCE (INF 1005H and 1006H)
- 2.5 required FCEs (INF 1340H, INF 1341H, INF 1342H, INF 1343H, and INF 2177H)
- 5.0 elective FCEs or
coop (1.0 FCE) plus 4.0 elective FCEs or
thesis (2.0 FCEs), research methods course (0.5 FCE), and reading course (0.5 FCE) plus 2.0 elective FCEs.

**Concentration: Knowledge Management and Information Management (KMIM)**
- 0.5 core FCE (INF 1005H and 1006H)
- 2.5 required FCEs (INF 1003H, INF 1230H, INF 2175H, INF 2176H, and INF 2186H)
- 5.0 elective FCEs or
coop (1.0 FCE) plus 4.0 elective FCEs or
thesis (2.0 FCEs), research methods course (0.5 FCE), and reading course (0.5 FCE) plus 2.0 elective FCEs.

**Concentration: Knowledge Media Design (KMD)-User Experience Design (UXD)**
- 0.5 core FCE (INF 1005H and 1006H)
- 2.5 required FCEs (KMD 1001H, KMD 1002H, INF2170H, INFxxxxH, INFxxxxH, and KMD 2001H-INF 2169H, and INF 1601Y)
- 5.0 elective FCEs or
coop (1.0 FCE) plus 4.0 elective FCEs or
thesis (2.0 FCEs), research methods course (0.5 FCE), and reading course (0.5 FCE) plus 2.0 elective FCEs.

**Concentration: Library and Information Science (LIS)**
- 0.5 core FCE (INF 1005H and 1006H)
- 2.5 required FCEs (INF 1230H, INF 1240H, INF 1300H, INF 1310H, and INF 1320H)
- 5.0 elective FCEs or
coop (1.0 FCE) plus 4.0 elective FCEs or
thesis (2.0 FCEs), research methods course (0.5 FCE), and reading course (0.5 FCE) plus 2.0 elective FCEs.

**General Program Pathway (No Concentrations)**

**Coursework Option**
- 2.0 core FCEs (INF 1001H, INF 1002H, INF 1003H, INF 1005H, and 1006H).
- 6.0 elective FCEs.
- Students choosing the coursework option must have their program of study approved by the Graduate Coordinator.

**Thesis Option**
- 2.0 core FCEs (INF 1001H, INF 1002H, INF 1003H, INF1005H, and 1006H)
- 0.5 required FCE consisting of one research methods half course appropriate to the student’s program of study with a final grade of at least A-
- 0.5 required FCE reading course with a student’s intended supervisor, with a final grade of at least A-
- 2.0 thesis FCEs
- 3.0 elective FCEs (six additional half courses which may include up to four graduate half courses [2.0 FCEs] taken outside the MI program)
• Faculty approval is required to enter the thesis option.
• For information about completing a thesis in the concentration option, please see the program requirements above for the concentration pathway.

Program Length
4 sessions (2 years) full-time (typical registration sequence: F/W/F/W);
CCO only: 6 sessions (2 years) full-time (typical registration sequence: F/W/S/F/W/S);
11 sessions (5.5 years) part-time

Time Limit
3 years full-time;
6 years part-time