Knowledge Media Design

Lead Faculty

Participating Degree Programs

Architecture – MArch
Computer Science – MSc, PhD
Curriculum Studies and Teacher Development – MA, MEd, PhD
History and Philosophy of Education – MA, MEd
Information – MI
Information Studies – PhD
Landscape Architecture – MLA
Mechanical and Industrial Engineering – MASc, MEng, PhD
Medical Science – MSc, PhD
Sociology – MA, PhD
Urban Design – MUD
Visual Studies – MVS

Overview

The Collaborative Program in Knowledge Media Design (KMD) was launched in 2002 as the teaching arm of the Knowledge Media Design Institute (KMDI). The collaborative program provides a specialization for graduate students from a variety of academic backgrounds to engage in the design, prototyping, evaluation, and use of knowledge media. In keeping with KMDI’s human-centred approach, students explore the design and use of new media in the context of real world practices of individuals and communities. Access to an intensely collaborative and cross-disciplinary faculty encourages students to take a broader view of technological and social change and to be constructively critical of technological utopian and dystopian visions alike. The goal is for students to take into account heritage and history, to understand the realities of today, and to design for tomorrow.

Students have access to a community of scholars and the network of relationships that the Institute coordinates. They gain first-hand experience of a living network of innovation, an environment in which the resources are people and knowledge and the social capital and value that are generated through collaboration.

The collaborative program is open to master’s and PhD students in the collaborating graduate programs listed above.

Contact and Address

Web: http://kmdi.utoronto.ca/graduate-study
Email: admissions@kmdi.utoronto.ca
Telephone: (416) 946-8515
Fax: (416) 978-5634
Master's Level

Admission Requirements

- Students wishing to apply to the collaborative program must be enrolled, or anticipate being enrolled, in a collaborating degree program in one of the collaborating graduate programs. Applying to the collaborative program is a separate procedure. A collaborative program application includes: a completed Application for Admission Form, a statement of research interest, a resume, two letters of reference, and academic transcripts. Consult the KMDI website for application guidelines. Admission will be subject to the approval of the graduate department concerned and the Program Committee of the collaborative program.

Program Requirements

- Students must meet all the requirements of their home department.
- Master's students must successfully complete KMD 1001H, KMD 1002H, and 0.5 full-course equivalent (FCE) from the KMD 2001–2004 series or a list of recognized affiliate courses. They also must submit a portfolio that includes completed student research in knowledge media design. The program committee of the collaborative program will review all portfolios for their quality and contribution to the field.
- Master's students are encouraged, but not obligated, to complete a thesis/research project component in their home department, the topic of which should be relevant to the field of knowledge media design. Students’ KMD portfolio will be a component of their thesis/research project.
- Collaborative program courses may count towards the home department degree requirements or may be in addition to the degree requirements, depending on the participating department's individual program regulations.

Doctoral Level

Admission Requirements

- Students wishing to apply to the collaborative program must be enrolled, or anticipate being enrolled, in a collaborating degree program in one of the collaborating graduate programs. Applying to the collaborative program is a separate procedure. Consult the KMDI website for application guidelines. Admission will be subject to the approval of the graduate department concerned and the Program Committee of the collaborative program.

Program Requirements

- Doctoral students are required to take KMD 1001H and KMD 1002H if not already taken in the master's program, and 0.5 full-course equivalent (FCE) from the KMD 2001–2004 series or a list of recognized affiliate courses. They also must submit a
portfolio that includes completed student research in knowledge media design. The Program Committee of the collaborative program will review all portfolios for their quality and contribution to the field.

- The dissertation topic must be in the field of knowledge media design. The thesis advisor and at least one other committee member must be from participating units. Students’ KMD portfolio will most often be connected with their dissertation proposal.
- The home graduate unit and the student’s supervising committee will determine further requirements. The collaborating units cooperate in jointly developing a program that is individually tailored to meet the needs of each student.

**Course List**

For courses offered in a particular year, check the collaborative program website, http://kmdi.utoronto.ca/graduate.

**Knowledge Media Design**

**Required**

- KMD 1001H Core Seminar in Knowledge Media Design I—Fundamental Concepts
- KMD 1002H Pro-seminar in Knowledge Media Design II—Contexts and Practices (required for PHD students only, elective for Master’s students)

**Electives**

- KMD 2001H Human-centred Design
- KMD 2002H Technologies for Knowledge Media
- KMD 2003H Knowledge Media and Learning (exclusion: CTL 1926H)
- KMD 2004H Knowledge Media, Culture and Society

**Participating Department Electives**

Existing courses from the participating departments that satisfy KMD requirements are listed below. These courses may not be offered every year. Courses that are mandatory for a student’s degree from the home department cannot normally be counted. Some of the elective courses may require a significant amount of background knowledge and experience. Enrolment in such courses may require the permission of the instructor.

- ARC 1033H Architecture, Media and Communications
- C&T 1004H Communications: History/Theory/Technology
- C&T 1005H Understanding McLuhan
- C&T 1006H Media, Mind and Society I
- C&T 1009H New Media and Policy
- CSC 2501H Computational Linguistics
- CSC 2502H Knowledge Representation and Reasoning
- CSC 2504H Computer Graphics
- CSC 2507H Conceptual Modelling
- CSC 2511H Natural Language Computing
- CSC 2514H Human-Computer Interaction
- CSC 2518H Spoken Language Processing
- CSC 2527H The Business of Software
- CTL 1602H Introduction to Computers in Education
- CTL 1603H Introduction to Knowledge Building
- CTL 1608H Constructive Learning and Design of Online Environments
- CTL 1609H Educational Applications of Computer Mediated Communication
CTL 1923H Technology Supported in Situ Learning
CTL 1926H Knowledge Media and Learning (exclusion: KMD 2003H)
FAH 1478H Art and Animation
INF 1230H Management of Information Organizations
INF 1340H Introduction to Information Systems
INF 1341H Analyzing Information Systems
INF 1342H Designing Information Systems
INF 1343H Data Modeling and Database Design
INF 2149H Administrative Decision-Making in Information Organizations
INF 2150H Advanced Management of Information Organizations
INF 2164H Authority and Credibility in Online Communications
INF 2169H User-Centred Information Systems Development
INF 2183H Knowledge Management and Systems
INF 2241H Critical Making: Information Studies, Social Values and Physical Computing
MIE 1402H Experimental Methods in Human Factors Research
MIE 1403H Analytical Methods in Human Factors Research
MIE 1407H Engineering Psychology and Human Performance
MIE 1502H Information Technology and Systems: Management Strategies
MIE 1504H Management of Technological Change
MSL 2325H Museums and New Media Practice
SOC 6008H Network Analysis I
SOC 6108H Network Analysis II
SOC 6303H Field Methods
SOC 6312H Social Aspects of Technology and Work
SOC 6501H Research Design and Hypothesis Testing in Sociology
TPS 1447H Technology in Education: Philosophical Issues
TPS 1839H Administration of Technology in Higher Education
TPS 1005H The Computer in Educational Administration
VIS 1010H Contemporary Art Since 1960
VIS 1020H Contemporary Art: Theory and Criticism
VIS 2002H Contemporary Art Issues