

**FACULTY OF HUMANITIES**  
**REPORT TO UNDERGRADUATE COUNCIL**  
**PROPOSED CONCURRENT CERTIFICATES**  
**FOR THE 2018-19 UNDERGRADUATE CALENDAR**

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**Summary of Changes**

- 1. Department of Classics**
  - **Proposed Concurrent Certificate in the Language of Medicine and Health**
  
- 2. Department of Philosophy**
  - **Proposed Concurrent Ethics and Policy for Technological Innovation Certificate (EPTIC)**

# FACULTY OF HUMANITIES

## PROPOSAL FOR A CONCURRENT CERTIFICATE IN THE LANGUAGE OF MEDICINE AND HEALTH

### 1 Certificate Overview

The concurrent Certificate in *The Language of Medicine and Health* will recognize the course work completed and the skills mastered by students who have taken *The Ancient Roots of Medical Terminology* (CLASSICS 2MT3), *Advanced Roots of Medical Terminology* (CLASSICS 3MT3), a selection of courses in Latin and Greek (which provide the etymological source of almost all medical words as well as the grammatical basis of the Latin anatomical naming systems found in the *Nomina Anatomica* and *Terminologia Anatomica*), and (potentially) courses in Linguistics and English that provide important backgrounds and contexts.

The proposed Certificate provides students with formal recognition of competency in the etymology, word-formation, and logic of medical terminology.

### 2 Academic Merit

#### 2.1 Learning Outcomes

Upon completion of the concurrent Certificate in the Language of Medicine and Health, students

- will have acquired mastery of the etymology of the technical terminology of medicine and science and be able to interpret the entire corpus of anatomical Latin phraseology
- will have developed receptive linguistic skills in this technical terminology (listening, reading, comprehension)
- will have acquired productive linguistic skills by which they can produce technical terms as needed
- depending on course selection, maybe have acquired backgrounds and contexts for modern understandings of health

#### 2.2 Certificate Requirements

Any student in an undergraduate degree program at McMaster may declare the certificate, at the time of graduation, and upon completion of the following courses

Requirements (15 units).

6 units:

CLASSICS 2MT3 - Ancient Roots of Medical Terminology

CLASSICS 3MT3 - Advanced Ancient Roots of Medical Terminology

6 units:

LATIN 1Z03 - Beginner's Intensive Latin I

LATIN 1ZZ3 - Beginner's Intensive Latin II

GREEK 1Z03 - Beginner's Intensive Ancient Greek I

GREEK 1ZZ3 - Beginner's Intensive Ancient Greek II

3 units:

LATIN 1Z03 - Beginner's Intensive Latin I

LATIN 1ZZ3 - Beginner's Intensive Latin II

GREEK 1Z03 - Beginner's Intensive Ancient Greek I

GREEK 1ZZ3 - Beginner's Intensive Ancient Greek II

LATIN 2A03 - Intermediate Latin I

GREEK 2A03 - Intermediate Greek I

LINGUIST 1A03 - Introduction to Linguistics I

LINGUIST 3F03 - Anatomy and Physiology of Speech and Hearing

ENGLISH 2NH3 - Narratives of Health

Any student seeking a Classics programme may satisfy no more than 2 courses (six units) of the Classics programme's requirements with courses that the student counts toward the satisfaction of the Certificate's requirements.

Any student wishing to declare a Minor in Classics, Latin, or Greek may satisfy no more than 2 courses (six units) of the Minor's requirements.

Students who have Grade 12 Latin or Greek and are therefore not eligible to take Beginner's Intensive Latin or Greek can substitute the Intermediate Latin or Greek.

### **3 Statement of Academic Responsibility**

The Department of Classics and the Faculty of Humanities will oversee the administration of the concurrent Certificate in *The Language of Medicine and Health*. The Department of Classics will review, evaluate and approve any non-McMaster courses to serve as equivalents, as is currently the practice.

**Faculty of Humanities**  
**Proposal for an Ethics and Policy for Technological Innovation Certificate**

**1. Certificate Overview**

The Ethics and Policy for Technological Innovation Certificate (the Certificate) is designed to prepare undergraduate students from health science, engineering, business, humanities, science, and social science to work together on teams to identify and resolve the ethical, institutional, and policy challenges posed by novel technologies that are highly promising but also potentially socially disruptive. The Certificate will recognize students for having gained core subject matter competencies and experience that significantly enhance their ability to work together and communicate effectively as members of such interdisciplinary research teams. The Certificate comprises 15 units (5 courses total). Four of the courses (12 units) in this sequence of courses will prepare the student for the certificate's culminating fifth course (3 units), a 4<sup>th</sup> year seminar (PHILOS 4V03) in which students will work together on interdisciplinary teams under the direction of faculty and staff associated with the McMaster University Institute for Ethics and Policy Innovation (IEPI).

**2. Academic Merit**

2.1. Learning Outcomes

The sequence of courses required by this certificate will:

- (a) Provide students with a grounding in ethical, moral and political philosophy necessary to work collaboratively on teams to identify and resolve the ethical, institutional, and policy challenges posed by novel technologies that are highly promising but also potentially disruptive.
- (b) Provide students with experience working collaboratively on interdisciplinary teams of the sort described in (a), thereby enhancing and consolidating the background philosophical knowledge requisite to such collaborative work.
- (c) Provide students with experience working collaboratively on interdisciplinary teams of the sort described in (a), thereby enhancing and consolidating the students' ability to communicate and work effectively with others on interdisciplinary teams in an organized and inclusive fashion.

## 2.2. Certificate Requirements

Any student in an undergraduate program at McMaster may declare the certificate at the time of graduation and **ONLY** upon satisfaction of each of the following requirements:

- 1.) The student must be accepted by the Ethics and Policy for Technological Innovation Certificate Committee (the EPTIC Selection Committee).
- 2.) The student must complete 15 units in accordance with the following schedule:
  - a. 3 units: Intro to Bioethics (PHILOS 2D03);
  - b. 3 units: History of Political Philosophy (PHILOS 2S03) or Social and Political Philosophy (PHILOS 2G03);
  - c. 3 units: Business Ethics (PHILOS 2N03), Communication Ethics (PHILOS 2TT3), or Intro to Ethics (PHILOS 2YY3);
  - d. 3 units: Advanced Bioethics (PHILOS 3C03), Advanced Ethics (PHILOS 3CC3), Feminist Philosophy (PHILOS 3I03), Environmental Ethics (PHILOS 3L03), Philosophy of Law (PHILOS 3Q03), or Political Philosophy (PHILOS 3N03), and;
  - e. 3 units: (PHILOS 4V03): Multidisciplinary Workshop in the Ethics and Policy of Technological Innovation

## 2.3. The EPTIC Selection Committee Requirements

The EPTIC Selection Committee will consider supplemental applications soon after the end of Winter term of each academic year, but only from students who are enrolled in an undergraduate program at McMaster University and who have completed PHILOS 2D03 and either (or both) PHILOS 2S03 or PHILOS 2G03. The EPTIC Selection Committee's selections will be made on the basis of the student's cumulative grades and answers to the supplemental application questions. Because enrollment in the capstone PHILOS 4V03 is limited to 25 students per academic year, the Selection Committee will enroll no more than approximately 20 to 25 students to the Certificate program each academic year.

Students accepted and enrolled in the Justice, Political Philosophy, and Law Honours BA Program are not eligible to apply for the Certificate.

Any student seeking a Philosophy Honours BA may satisfy no more than 2 courses (6 units) of the Philosophy Honours BA Program requirements with courses that the student has also designated as counting toward the satisfaction of the Certificate's requirements.

Students who declare the certificate are precluded from declaring a philosophy minor.

Transfer credits will not be accepted in lieu of PHILOS 4V03. Students accepted into the certificate program are free to request transfer credit in lieu of any other

certificate course requirement. The student may submit such a request to the Selection Committee (via philadm@mcmaster.ca) at any time.

Note that selection by the selection committee is distinct from the successful declaration of the certificate, and a student's selection does not imply that the candidate has satisfied all certificate requirements. It is the student's responsibility to make sure that at the time of graduation, all requirements of the certificate as enumerated above have been fulfilled.

### **3. Resources**

#### **3.1. Multidisciplinary Workshop in the Ethics and Policy of Technological Innovation (PHILOS 4V03)**

The department will introduce one new course in service of the Certificate. The course will be a 4<sup>th</sup> year seminar capped at 25 students. In this course, teams comprising undergraduate students from health science, engineering, business, humanities, science, and social science will work together in order to identify and generate proposed solutions to the ethical, institutional, and policy challenges posed by novel technologies that are highly promising but also potentially socially disruptive.

#### **3.2. Faculty Resources**

The main resource constraint is the one novel course under the certificate: PHILOS 4V03 Multidisciplinary Workshop in the Ethics and Policy of Technological Innovation, a 4<sup>th</sup> year seminar that will be capped at 25 students. This course will be provided by faculty that works closely with the Institute on Ethics and Policy for Innovation (IEPI). IEPI-associated faculty will teach this course pursuant to IEPI's undergraduate pedagogical mission. At the present time, there are sufficient resources to accommodate one 25-student capstone course per academic year.