Engineering Complementary Studies Elective Courses

Effective July 1, 2025

BEng (Electrical) - Lakehead-Georgian Partnership Program and Barrie STEM Hub Program

The Complementary Studies component of the Bachelor of Engineering Degree programs at Lakehead University consists of three parts.

Students are required to complete the equivalent of five term courses (total credit weight 5 x 0.5 FCE = 2.5 FCE) from;

a) **Sociology 2755: Technology, Society and the Indigenous People in Canada (credit weight: 0.5 FCE)**
b) **Engineering 4539: Professional Practice and Law (credit weight: 0.5 FCE)**
c) **Complementary Studies Electives from Course List 1 and/or Course List 2 (credit weight: 1.5 FCE):**
    - **Course List 1: 1 to 3 equivalent term courses (0.5 to 1.5 FCE)**
    - **Course List 2: 0 to 2 equivalent term courses (0 to 1.0 FCE)**

On occasion, students may find it convenient to interchange the position of their Complementary studies and engineering elective from one term to another in their program in order to accommodate course selection. Complementary Studies courses may also be taken during the Spring and Summer terms if available.

Students may obtain counselling on Complementary Studies electives from the Chair of their Department. The responsibility for prerequisites and other course restrictions rests with the student.

Lakehead University's distance education, web-based and video-conferenced courses are acceptable in the Complementary Studies program. Courses from other Universities may be acceptable but require a formal Letter of Permission approved by your Engineering Department Chair. Information about the Letter of Permission is available from Student Central, on myInfo, and from your Engineering Department Office.

(a) Impact of Technology on Society

- **Sociology 2755: Technology, Society and Indigenous Peoples in Canada**

Normally this course is taken in the term and year specified in the University Calendar.

(b) Professional Ethics, Equity, and Law

- **Engineering 4539: Professional Practice and Law**

Normally this course can only be taken by fourth year students in the last term of the program.

(c) Complementary Studies Electives

Students must select a total of 3 term courses (1.5 FCE) from the following lists approved by the Faculty of Engineering at the time of registration. Not all courses are offered each year. Consult the Lakehead University course timetable for details. Note, for example, full (two term) courses are indicated by YA, YB, etc; FA is used for fall term courses and WA for winter term courses. Additional information about course numbering is available in the Lakehead University Calendar.

It is the student's responsibility to consult the Lakehead University Calendar for official information about credit weight, prerequisites and restrictions for all courses listed.

List 1: Humanities and Social Sciences

At least one term course (0.5 FCE) MUST be selected from this list. Alternatively, two or three courses could be taken from this list.

Anthropology:

- Anthropology 1034 - World Cultures
- Anthropology 2116 - Gender in Cross-Cultural Perspective
- Anthropology 2151 - Ancient Peoples and Places
- Anthropology 2332 - Peoples and Cultures of Africa
- Anthropology 3811 - Anthropology of Sexuality (Special Topics Course-Restricted to this course title only)

Criminology:

- Criminology 1010 - Introduction to Criminology
- Criminology 2030 - Gender and Crime
- Criminology 4070 - Trafficking

English:

- English 1115 - Foundations of Literary Study
- English 1116 - Native and Newcomer Literatures in Canada: Contact Zones
- English 1117 - Introduction to Popular Culture
- English 1118 - Introduction to Film Studies
- English 2115 - Shakespeare
- English 2510 - Global Literatures in English
- English 2717 - Indigenous Literature in Canada
- English 2810 - Gender, Sexuality and the Body in Literature and Culture
- English 2817 - Creative Writing: Nonfiction
- English 2916 - Popular Texts and Forms
- English 2917 - Children's Literature
- English 2950 - Science Fiction

Geography:

- Geography 1150 - The Environment
- Geography 2811 - Cultural Geography
- Geography 3411 - Resource Management and Sustainability
- Geography 3631 - Geography of Canada
- Geography 3633 - Geography of the Lake Superior Basin
- Geography 3693 - Geography of Northern Europe
- Geography 3731 - Urban Residential Structure
- Geography 3751 - Retail Location

History:

- History 1100 - The Making of the Modern World
- History 2110 - Modern Europe I, 1789-1914
- History 2111 - Soviet Union and Russia Since 1917
- History 2112 - Imperial Russia to 1917
- History 2116 - Germany, 20th Century
- History 2130 - Modern Europe II, 1914-1990
- History 2138 - Revolutionary France, 1789-1870
- History 2139 - Republican France, 1870-1983
- History 2201 - Greek History
- History 2203 - Roman History
- History 2350 - Modern Canada
- History 2511 - The United States after the Civil War
- History 2512 - The United States to the Civil War
- History 2513 - Colonial Latin America and the Caribbean
- History 2515 - Modern Latin America and the Caribbean
- History 2611 - Chinese
- History 2619 - Modern South Asia
- History 2811 - Heritage and the Built Environment (Special Topics Course-Restricted to this course title only)

Indigenous Learning:

- Indigenous Learning 1314 - Indigenous Peoples and the Issues
- Indigenous Learning 2312 - Indigenous Peoples and the North
- Indigenous Learning 2313 - Indigenous Peoples and the Urban Community
- Indigenous Learning 2433 - Indigenous People and the Government
- Indigenous Learning 2805 - Indigenous Canadian World Views
- Indigenous Learning 2811 - Corporations and the Status Indian
- Indigenous Learning 3435 - Indigenous People and the Land
- Indigenous Learning 3811 - The Rights of Aboriginal People in S.35

Interdisciplinary Studies:

- INTD 2010 – Modern Debates

Languages:

- Finnish 2401 - Finnish Civilization
- French 2417 - Writing Strategies through Francophone Culture and Civilization
- Italian 2510 - Italian Civilization and Culture
- Linguistics 0300 - Introduction to Language
- Linguistics 0510 - An Introduction to Etymology

Music:

- Music 1010 - Music Appreciation (NEW)
- Music 1310 – Rudiments of Music (NEW)
- Music 1312 - Music History I (Before 1600)
- Music 1313 - Music History II (1600-1800)
- Music 1350 - Theory I
- Music 1351 - Theory II
- Music 2314 - Music History III (1800-1900)
- Music 2315 - Music History IV (After 1900)
- Music 3313 - Topics in Music I
- Music 3317 - Music in Canada
- Music 4915 - Music Criticism (NEW)

Philosophy:

- Philosophy 1110 - Introduction to Philosophy: Origins
- Philosophy 1111 - Introduction to Philosophy: Modern Developments
- Philosophy 1118 - Philosophy of the Occult and Paranormal
- Philosophy 1119 - Philosophy Through Popular Culture
- Philosophy 1571 - Contemporary Moral Issues
- Philosophy 1573 – Philosophy and the Human Condition
- Philosophy 2013 - Environmental Philosophy
- Philosophy 2014 - Witch Hunts
- Philosophy 2311 - Ancient Greek Philosophy
- Philosophy 2330 – Philosophy Goes to the Movies
- Philosophy 2413 - A Defense against the Dark Arts
- Philosophy 2614 - Early Modern Philosophy
- Philosophy 2913 - Philosophy and Science Fiction
- Philosophy 3514 - Cyberethics

Political Science:

- Political Science 1100 - Introduction to Political Science
- Political Science 2311 - Criminal Law
- Political Science 2313 - Human Rights and Civil Liberties
- Political Science 2410 - Media and Politics **OR** Media, Film and Communications 2411 Media and Politics
- Political Science 2510 - Ancient and Medieval Political Thought
- Political Science 2611 - World Politics
- Political Science 3311 - Third World Politics and Society
- Political Science 3113 - Law and Politics of the Family
- Political Science 3250 - The Politics of Food
- Political Science 3314 - Global Terrorism
- Political Science 3351 - Indigenous Peoples and the Law

Psychology:

- Psychology 1112 Foundations of Psychology: Social and Individual Differences (NEW)
- Psychology 2011 - Child Development
- Psychology 2015 - Social Psychology
- Psychology 2211 - Health Psychology

Religious Studies:

- Religious Studies 1100 Introduction to World Religions (NEW)
- Religious Studies 2715 - Introduction to Islam (Special Topics Course-Restricted to this course title only)
- Religious Studies 2715 - Abrahamic Religions (Special Topics Course-Restricted to this course title only)
- Religious Studies 2715 – South Asian Religions (Special Topics Course-Restricted to this course title only)

Sociology:

- Sociology 1100 - Introduction to Sociology
- Sociology 2011 - Youth and Canadian Society
- Sociology 2110 - Food, Culture and Society
- Sociology 2111 - Perspectives in Social Thought
- Sociology 2112 - Friendship@facebook.Com (Special Topics Course-Restricted to this course title only)
- Sociology 2112 - Palestine & International Relations (Special Topics Course-Restricted to this course title only)
- Sociology 2221 - Crime and Society
- Sociology 2501 - Family Sociology
- Sociology 2817 - Sociology of the North
- Sociology 3113 - Special Topics in Sociology
- Sociology 3513 - Sociology of Aging
- Sociology 3515 - Life Course Studies
- Sociology 3613 - Canadian Population

Visual Arts:

- Visual Arts 0510 - Design Elements and Principles
- Visual Arts 1090 - Prehistory to the Middle Ages
- Visual Arts 1091 - Renaissance to the Contemporary Period
- Visual Arts 2211 - Critical Studies in Early Twentieth Century Art
- Visual Arts 2212 - Critical Studies in Late Twentieth Century Art

Gender and Women's Studies:

- Gender and Women's Studies 1100 - Madonna to Madonna: Women's and Gender Studies
- Gender and Women's Studies 2113 - Women, Popular Culture and Counter Culture
- Gender and Women's Studies 2114 - Ecofeminism
- Gender and Women's Studies 2116 - Gender in Cross-Cultural Perspective
- Gender and Women's Studies 2711 - Women's Action for Social Change

List 2: Other Complementary Studies Courses

Up to two term courses MAY be selected from this list. Note: A minimum of 1 term course (0.5 FCE) MUST be selected from List 1.

Business:

- Business 1511 - Basics of Management **OR** Business 1011 - Introduction to Management (enrolment restricted)
- Business 2514 - Basics of Marketing
- Business 2538 - Basics of Organizational Behaviour

Economics:

- Economics 1010 Principles of Microeconomics (NEW)
- Economics 1011 Principles of Macroeconomics (NEW)
- Economics 2017 - Microeconomics I
- Economics 2212 - Environmental Economics
- Economics 2511 - Locational Economics **OR** Geography 2511- Economic Geography
- Economics 3111 - Labour Economics
- Economics 3114 - International Finance
- Economics 3133 - Regional Economics
- Economics 3211 - Economic Development
- Economics 3214 - History of Economic Thought
- Economics 3215 - Money and Banking
- Economics 3231 - Health Economics
- Economics 3313 - Public Finance
- Economics 3412 - Industrial Organization

Languages:

- Finnish 1000 - Elementary Finnish
- Finnish 2001 - Intermediate Finnish
- French 0500 - French for Beginners
- French 1000 - Elementary French
- French 1200 - Intermediate French
- French 1204 - Français Intermédiaire
- German 1000 - Elementary German
- Italian 1000 - Introductory Italian
- Italian 1510 - Language and Culture
- Mandarin 1000 - Introductory Mandarin
- Ojibwe 1013 - Introduction to Severn Ojibwe I
- Ojibwe 1014 - Introduction to Western Ojibwe I
- Ojibwe 1015 - Introduction to Severn Ojibwe II
- Ojibwe 1016 - Introduction to Western Ojibwe II
- Spanish 1000 - Introductory Spanish

Northern Studies:

- Northern Studies 1112 - An Introduction to the Canadian North