SOC APPROVALS
December 13, 2023

The following proposals were approved at the December 13, 2023, meeting of the Subcommittee on Undergraduate Academic Courses (SOC).

IVEY BUSINESS SCHOOL

Program Revision – Effective September 1, 2024, the following change(s) be made:

HBA/MECHANICAL ENGINEERING

Module/Program Information

Engineering Common First Year Program
Full-year courses: Engineering Science 1050, Business Administration 1299E.
Full-year half course: Engineering Science 1022A/B/Y.
Half-year courses: Numerical and Mathematical Methods 1411A/B, Numerical and Mathematical Methods 1412A/B, Numerical and Mathematical Methods 1414A/B, Chemistry 1302A/B, Engineering Science 1021A/B, Engineering Science 1036A/B, Physics 1401A/B and Physics 1402A/B.

(Three of the half courses are taken in each term as scheduled)

Second Year Program
Numerical and Mathematical Methods 2270A/B, Numerical and Mathematical Methods 2276A/B, MME 2200Q/R/S/T, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2221A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Business Administration 2257.

Third Year Program
The third year of the undergraduate program in Business Administration consists of an integrated set of courses (7.5 courses) designed to give a basic understanding of the functions and the interrelationships of the major areas of management, as well as to develop problem-solving and action-planning skills.

All students will take: Business Administration 3300K, Business Administration 3301K, Business Administration 3302K, Business Administration 3303K, Business Administration 3304K, Business Administration 3311K, Business Administration 3316K, Business Administration 3321K, Business Administration 3322K, Business Administration 3323K.

Fourth Year Program
MME 3303A/B, MME 3307A/B, MME 3325A/B, **MME 3348A/B,** MME 3350A/B, MME 3360A/B, MME 3374A/B, ~~MME 3379A/B,~~ MME 3380A/B, MME 3381A/B, Statistical Sciences 2143A/B.

Applied Project Requirement: Business Administration 4569.

Fifth Year Program
ELI 4110F/G or the former ES 4498F/G, MME 3334A/B, MME 4499.
1.0 technical electives.

3.0 Business Administration courses:

- 0.5 course: International Perspective Requirement: Business Administration 4505A/B.
- 0.5 course: Corporations and Society Perspective Requirement: At least one 0.5 course from Business Administration - Corporations and Society designated electives offered during the academic year (Business Administration 4538A/B, Business Administration 4539A/B, Business Administration 4588A/B, Business Administration 4625A/B) or other business elective as determined and approved by the HBA Program Director to satisfy this requirement.
- 0.5 course: Managerial Accounting Requirement: Business Administration 4624A/B.
- 1.5 elective courses chosen from 4000 level Business courses.

Progression Standards
Students in this combined program must meet the following progression standards: Students enrolled in first year HBA (Year Three) must attain at least 78%.

In Years Four and Five, students must attain a minimum weighted average of 75% in their 4000 level HBA courses and a 75% average in their Engineering courses.

Failure to Meet Progression Standards
A student who fails to meet the progression standards in any year must withdraw from the combined program. However, a student who has met the progression standards of either the HBA or BESc program will be allowed to proceed to the next year of that program. If the progression standards of both individual programs have been satisfied, the student may continue in either program and may petition the School or Faculty whose program was not selected for permission to complete that program at a later date. A student who is required to withdraw from the combined program and wishes to pursue either or both of the individual programs, must complete all the degree requirements of the individual program or programs in order to graduate from that/those program(s).

Exchange Programs
Students enrolled in the combined program are not eligible for an exchange program with the Faculty of Engineering; however, they may be eligible for an exchange through the Richard Ivey School of Business in Year Five. This will require advanced planning and approval of both faculties.

FACULTY OF ENGINEERING

DEPARTMENT OF CHEMICAL AND BIOCHEMICAL ENGINEERING

Course Withdrawal – Effective September 1, 2024, the following course be withdrawn:

GREEN PROCESS ENGINEERING 2213A/B
GREEN CHEMISTRY I
This course introduces green chemistry concentrating on a fundamental understanding, design and implementation of processes and products that minimize or eliminate the use and generation of hazardous chemicals. An introduction to the properties of organic molecules and the general laws that govern organic chemical process is presented together with the main reactions of the organic functional groups with special highlights on green chemical reactions

Antirequisite(s): Chemistry 2213A/B, CBE 2206A/B.
Prerequisite(s): Chemistry 1302A/B or the former Chemistry 1024A/B. Open only to students registered in the Green Process Engineering Program.
Extra Information: 3 lecture hours, 3 laboratory.
Course Weight: 0.50

Course Withdrawal – Effective September 1, 2024, the following course be withdrawn:

GREEN PROCESS ENGINEERING 2214A/B
GREEN CHEMISTRY FOR INDUSTRIAL PROCESSES
This course introduces the concepts of green chemistry and their applications to the manufacture and use of chemical intermediates. The concepts are developed concentrating on a fundamental understanding and application of the 12 principles of green chemistry. The course relies on knowledge of organic chemistry and its application for the development of green industrial processes

Antirequisite(s): Chemistry 2223B, CBE 2207A/B.
Prerequisite(s): GPE 2213A/B or CBE 2206A/B. Open only to students registered in the Green Process Engineering Program.
Extra Information: 3 lecture hours, 3 laboratory.
Course Weight: 0.50

Course Withdrawal – Effective September 1, 2024, the following course be withdrawn:

GREEN PROCESS ENGINEERING 3315A/B
REACTION ENGINEERING WITH GREEN ENGINEERING APPLICATIONS
Reaction kinetics as applied to the large-scale manufacture of chemicals. An introduction to the factors which affect the design and size of chemical reactors

as well as the conditions under which they are to be operated for maximum efficiency with special highlights on green processes.

Antirequisite(s): CBE 3315A/B.
Prerequisite(s): Applied Mathematics 1413, CBE 2224A/B, Chemistry 1302A/B or the former Chemistry 1024A/B.
Extra Information: 3 lecture hours, 1.5 laboratory hours, 2 tutorial hours.
Course Weight: 0.50

Course Withdrawal – Effective September 1, 2024, the following course be withdrawn:

GREEN PROCESS ENGINEERING 3382A/B
FUNDAMENTALS OF GREEN PROCESS ENGINEERING AND SAFETY
This course reviews the fundamental concepts of Green Process Engineering and Safety. The general objectives are for the student to be aware of the environmental and safety issues associated with industrial processes, environmental laws and regulations and to be able to evaluate and control the environmental footprint of industrial chemical processes with considerations of safety.

Antirequisite(s): CBE 3319A/B.
Prerequisite(s): CBE 2224A/B, GPE 2214A/B. Corequisite(s): GPE 3315A/B, CBE 3318A/B.
Extra Information: 3 lecture hours, 1 tutorial hour.
Course Weight: 0.50

Course Withdrawal – Effective September 1, 2024, the following course be withdrawn:

GREEN PROCESS ENGINEERING 3384A/B
SUSTAINABLE ENERGY, SOLAR AND FUEL CELLS
Analysis of the environmental effect of different energy vectors, with a particular emphasis in electricity, using life-cycle assessment methodology.

Antirequisite(s): GPE 3383A/B, GPE 3385A/B.
Prerequisite(s): CBE 2214A/B, CBE 2220A/B.
Extra Information: 3 lecture hours, 1 tutorial hour.
Course Weight: 0.50

Course Withdrawal – Effective September 1, 2024, the following course be withdrawn:

GREEN PROCESS ENGINEERING 3386A/B
SUSTAINABLE ENG LIFE CYCLE ANALYSIS & CASE STUDIES
This course will provide an introduction to sustainable engineering. Topics include challenges in sustainability, risk and life-cycle frameworks, environmental laws and regulations, green and sustainable environmental footprints of industrial chemical processes. Several case studies will be examined including life-cycle analysis of biofuels for transportation, photovoltaic cell construction and LED lighting.

Pre-or Corequisite(s): GPE 3382A/B.
Extra Information: 3 lecture hours, 1 tutorial hour
Course Weight: 0.50

Course Withdrawal – Effective September 1, 2024, the following course be withdrawn:

GREEN PROCESS ENGINEERING 3395Y
GREEN PROCESS ENGINEERING LABORATORY COURSE
This course focuses on a laboratory, green engineering project. It applies and integrates the concepts presented in CBE 3322A/B, CBE 3323A/B, CBE 3324A/B and CBE 3310A/B.

Corequisite(s): CBE 3322A/B, CBE 3323A/B, and CBE 3324A/B.
Extra Information: 3 laboratory hours.
Course Weight: 0.50

Course Withdrawal – Effective September 1, 2024, the following course be withdrawn:

GREEN PROCESS ENGINEERING 4415
GREEN PROCESS ENGINEERING PROJECT
Selection and investigation of a green engineering problem. Analytical and/or experimental work is carried out by individual students under the supervision of a faculty member. Progress reports, a final engineering report and a public lecture are required. It is the responsibility of the student to identify a supervisor and suitable engineering problem for investigation.

Antirequisite(s): CBE 4425, CBE 4415, CEE 4440, MME 4410.
Prerequisite(s): Completion of third year of the Green Process Engineering program with a minimum 78% third year term average and permission of the department.
Extra Information: 6 laboratory hours.

Course Weight: 1.00

Course Withdrawal – Effective September 1, 2024, the following course be withdrawn:

GREEN PROCESS ENGINEERING 4497
GREEN PROCESS DESIGN
A design is prepared for a device or a full-scale industrial process. This involves the detailed design of all major components, an estimate of the environmental footprint, and an economic analysis. Problem formulation, innovative solutions and professional decision making are emphasized.

Antirequisite(s): CBE 4497, CEE 4441, ECE 4416, MME 4499, SE 4450, Engineering Science 4499, MSE 4499, ECE 4415.
Prerequisite(s): CBE 2220A/B, CBE 2224A/B, GPE 3315A/B, CBE 3322A/B, CBE 3323A/B, CBE 3324A/B, and CBE 3318A/B and GPE 3382A/B.
Extra Information: 2 lecture hours, 3 tutorial hours.
Course Weight: 1.00

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 3316A/B
SUSTAINABLE CHEMICAL ENGINEERING & LIFE CYCLE ANALYSIS
An introduction to the approaches used to evaluate the environmental impacts of chemical technology and processes such as energy conversion, food production, transportation and waste management. This course will also focus on the application of green engineering concepts in chemical process design and evaluation.

Antirequisite(s): **the former** GPE 3382A/B, **the former** GPE 3386A/B.
Prerequisite(s): CBE 2220A/B, CBE 2214A/B. Corequisite(s): CBE 3319A/B.
Extra Information: 3 lecture hours per week, 1 tutorial hour per week.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 3319A/B
INTRODUCTION TO PLANT DESIGN & SAFETY
This course introduces ~~students to~~ **the analysis and design of** chemical processes, **specifically considering** ~~analysis and design considering~~ safety **and**~~, environment and~~ economic~~s~~ **aspects**. **Chemical process design and safety considerations will be covered from both theoretical and practical perspectives.** ~~Students will be exposed to fundamental aspects of chemical process design and integration of safety from theoretical and practical perspective. Students will be also~~ **The course will also** provide~~d with detailed~~ **a**

review and analysis of major accidents in chemical industry and preventive measures.

Antirequisite(s): **the former** GPE 3382A/B.
Prerequisite(s): Engineering Science 1050, CBE 2220A/B, CBE 2221A/B, and either CBE 2224A/B.
Extra Information: 2 lecture hours, 2 tutorial hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 3322A/B
HEAT TRANSFER OPERATIONS
Introduce chemical engineering students to the basics of heat transfer, including conduction, convection, radiation and phase change. This knowledge will be used for the design of various types of equipment such as heat exchangers with and without phase change agitated reactors, evaporators, condensers.
Prerequisite(s): CBE 2220A/B, CBE 2221A/B, or registration in the Integrated Engineering program. Corequisite(s): CBE 3395Y, or CBE 3396Y, or **the former** GPE 3395Y, or registration in the Integrated Engineering program.
Extra Information: 3 lecture hours, 1 tutorial hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 3324A/B
MASS TRANSFER OPERATIONS
This course reviews the fundamentals of interphase mass transfer and transfer units and then reviews the design of differential mass transfer equipment, with special emphasis on absorption, stripping, humidification and drying.

Prerequisite(s): CBE 2220A/B, CBE 2221A/B. Corequisite(s): CBE 3395Y or CBE 3396Y or **the former** GPE 3395Y.
Extra Information: 3 lecture hours, 1 tutorial hour.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 3395Y
CHEMICAL ENGINEERING LAB
This laboratory course applies and integrates concepts/theories presented in the following four courses: CBE 3322A/B, CBE 3323A/B, CBE 3324A/B, and CBE 3325A/B.

Antirequisite(s): ~~GPE 3395Y, or~~ CBE 3396Y**, the former GPE 3395Y**.
Corequisite(s): CBE 3322A/B, CBE 3323A/B, CBE 3324A/B.

Extra Information: 3 laboratory hours
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 4407A/B
SOLID WASTE TREATMENT
Principles of solid waste treatment using chemical and biological methods, with emphasis on waste volume reduction at the source and recycling. Classification of solid wastes, incineration, fluidized chemical reactors and bioreactors for solid waste treatment, chemical and biological oxidation of solids, chemical and biological treatment of hazardous compounds in soil.

Prerequisite(s): CBE 3323A/B, CBE 2220A/B, CBE 3315A/B, or ~~GPE 3315A/B,~~ CBE 3322A/B**, the former GPE 3315A/B**.
Extra Information: 3 lecture hours, 1 tutorial hour.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 4415
CHEMICAL ENGINEERING PROJECT
Selection and investigation of an engineering problem. Analytical and/or experimental work is carried out by individual students under the supervision of a faculty member. Progress reports, a final engineering report and a public lecture are required. It is the responsibility of the student to identify a supervisor and suitable engineering problem for investigation before registering in the course.

Antirequisite(s): CBE 4425, ~~GPE 4415,~~ CEE 4440, MME 4410**, the former GPE 4415**.
Prerequisite(s): Completion of third year of the Chemical Engineering program with a minimum 78% third year term average and permission of the department.
Extra Information: 6 laboratory hours.
Course Weight: 1.00

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 4416A/B
CARBON FOOTPRINT AND MANAGEMENT
An overview of the main sources of CO2 emissions, their comparative impacts and the emerging technologies for CO2 management. The course focuses on the technical details associated with CO2 capture and storage and the practical challenges associated with implementation of these technologies.

Antirequisite(s): CBE 4413A/B.
Prerequisite(s): CBE 3315A/B, or **the former** GPE 3315A/B; CBE 3324A/B.

Extra Information**:** 3.0 lecture hours, 1.0 tutorial hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 4417A/B
PRINCIPLES AND APPLICATIONS OF HETEROGENEOUS CATALYSIS
An introduction to the kinetics, mechanisms and chemical fundamentals of heterogeneously catalyzed reactions in the context of modern industrial catalytic processes.

Prerequisite(s): CBE 3315A/B or **the former** GPE 3315A/B, CBE 2206A/B or t**he former** GPE 2213A/B.
Extra Information: 3 lecture hours, 1 tutorial hour.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 4425
BIOCHEMICAL AND ENVIRONMENTAL ENGINEERING PROJECT
Selection and investigation of a biochemical engineering problem. Analytical and/or experimental work is carried out by individual students under the supervision of a faculty member. Progress reports, a final engineering report and a public lecture are required. It is the responsibility of the student to identify a supervisor and suitable engineering problem for investigation before registering in the course.

Antirequisite(s): ~~GPE 4415,~~ CBE 4415, CEE 4440, MME 4410**, the former GPE 4415**.
Prerequisite(s): Completion of third year of the Chemical Engineering program with a minimum 78% third year term average and permission of the department.
Extra Information: 6 laboratory hours.
Course Weight: 1.00

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 4493A/B
POLYMER ENGINEERING
The basics of polymer science and engineering are covered. The theory of macromolecules, macromolecular chemistry and fundamentals of polymerization are discussed. Specific manufacturing processes and polymer types are considered.

Antirequisite(s): Chemistry 3320A/B, the former CBE 3392A/B.
Prerequisite(s): CBE 2207A/B or Chemistry 2213A/B and Chemistry 2223B or the former Chemistry 2216, or **the former** GPE 2214A/B.

Extra Information: 3 lecture hours, 1 tutorial hour.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 4498
BIOCHEMICAL PROCESS AND PLANT DESIGN
A design is prepared for a full-scale biochemical process. This involves the detailed design of all major pieces of equipment, an estimate of the requirements for new materials and energy, and a calculation of total costs. Problem formulation, alternative design solutions and professional decision making are emphasized.

Antirequisite(s): CBE 4497, CEE 4441, ECE 4415, ECE 4416, ES 4499, ~~GPE 4497,~~ MME 4499, MSE 4499, SE 4450**, the former GPE 4497**.
Prerequisite(s): CBE 3315A/B, CBE 3318A/B, CBE 3319A/B, CBE 3322A/B, CBE 3323A/B, CBE 3324A/B, CBE 3330A/B.
Extra Information: 2 lecture hours, 3 tutorial hours.
Course Weight: 1.00

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 4499
CHEMICAL ENGINEERING DESIGN FOR MEDICAL STUDENTS
Selected chemical, biochemical or pharmaceutical processes or processes for pollution abatement will be designed. Alternatively, the design of specific biomedical devices may be carried out. Chemical engineering principles will be employed. The design will include problem formulation, detailed design of equipment, environmental, economic and legal issues, and safety consideration.

Antirequisite(s): CBE 4497, ~~GPE 4497,~~ CEE 4441, ECE 4416, MME 4499, SE 4450, ES 4499, MSE 4499, ECE 4415**, the former GPE 4497**.
Prerequisite(s): Completion of third year of the Chemical Engineering program, Option E, and acceptance in concurrent degree program with Medicine.
Extra Information: 6 laboratory hours.
Course Weight: 1.00

Course Revision – Effective September 1, 2024, the following change(s) be made:

CHEMICAL AND BIOCHEMICAL ENGINEERING 4497
CHEMICAL PROCESS & PLANT DESIGN
A design is prepared for a full-scale chemical process. This involves the detailed design of all major pieces of equipment, an estimate of the requirements for new materials and energy, and a calculation of total costs. Problem formulation, alternative design solutions and professional decision making are emphasized.

Antirequisite(s): ~~GPE 4497,~~ **CBE 4498,** CEE 4441, ECE 4416, MME 4499, SE 4450, ES 4499, MSE 4499, ECE 4415**, the former GPE 4497**.
Prerequisite(s): CBE 2220A/B, CBE 2224A/B, CBE 3315A/B, CBE 3322A/B, CBE 3323A/B, CBE 3324A/B, and CBE 3318A/B and CBE 3319A/B.
Extra Information: 2 lecture hours, 3 tutorial hours.
Course Weight: 1.00

DEPARTMENT OF MECHANICAL AND MATERIALS ENGINEERING

Program Revision – Effective September 1, 2024, the following change(s) be made:

A. MECHANICAL ENGINEERING OPTION

Module/Program Information

Second Year Program
Numerical and Mathematical Methods 2270A/B, Numerical and Mathematical Methods 2276A/B, MME 2200Q/R/S/T, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2221A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Statistical Sciences 2143A/B, Writing 2130F/G.

Third Year Program
MME 3303A/B, MME 3307A/B, MME 3325A/B, MME 3334A/B, **MME 3348A/B,** MME 3350A/B, MME 3360A/B, MME 3374A/B, ~~MME 3379A/B,~~ MME 3380A/B, MME 3381A/B.

Fourth Year Program
ELI 4110F/G or the former ES 4498F/G, MME 4499. 1.5 non-technical elective*.

Five of the following technical electives: **MME 3379A/B,** MME MME 4410, MME 4423A/B, MME 4424A/B, MME 4427A/B, MME 4428A/B, MME 4429A/B, MME 4435A/B, MME 4437A/B, MME 4450A/B, MME 4452A/B, MME 4453A/B, MME 4459A/B, MME 4460A/B, MME 4469A/B, MME 4470A/B, MME 4473A/B, MME 4474A/B, MME 4475A/B, MME 4480A/B, MME 4482A/B, MME 4483A/B, MME 4485A/B, MME 4487A/B, MME 4490A/B, MME 4492A/B.

Students may elect to substitute technical electives from other engineering disciplines or from the Faculty of Science, provided they have the required prerequisites, and provided at least three of their technical electives are chosen from the above list. Technical electives from the Faculty of Science must be at

the Honours level. All courses outside of the MME list must be approved by the Department of Mechanical and Materials Engineering.

*Selection of the non-technical elective must be approved by the Department Counsellor to satisfy the CEAB requirements of subject matter that deals with central issues, methodologies, and thought processes of the humanities and social sciences. An approved list can be found on the Engineering website.

Program Revision – Effective September 1, 2024, the following change(s) be made:

B. MECHANICAL ENGINEERING/LAW

Module/Program Information

Engineering Common First Year Program
Full-year courses: Engineering Science 1050, Business Administration 1299E.
Full-year half course: Engineering Science 1022A/B/Y.
Half-year courses: Numerical and Mathematical Methods 1411A/B, Numerical and Mathematical Methods 1412A/B, Numerical and Mathematical Methods 1414A/B, Chemistry 1302A/B, Engineering Science 1021A/B, Engineering Science 1036A/B, Physics 1401A/B and Physics 1402A/B.

(Three of the half courses are taken in each term as scheduled)

Second Year Program
Numerical and Mathematical Methods 2270A/B, Numerical and Mathematical Methods 2276A/B, MME 2200Q/R/S/T, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2221A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Statistical Sciences 2143A/B, Writing 2130F/G.

Third Year Program
MME 3303A/B, MME 3307A/B, MME 3325A/B, MME 3334A/B, **MME 3348A/B,** MME 3350A/B, MME 3360A/B, MME 3374A/B, ~~MME 3379A/B,~~ MME 3380A/B, MME 3381A/B.

Fourth Year Program
First year Law curriculum. No courses outside Law may be taken during this year.

Fifth and Sixth Year Programs
MME 4499, two 0.5 Technical electives approved by the MME program.

In years five and six, students must take courses in Law totaling 45 credit hours. These courses must include the three compulsory upper-year courses and courses that satisfy the Faculty of Law writing requirements. They must also

include one of the courses listed below under “Economics” and one listed under “Impact of Technology on Society”.

Notes: Fulfillment of the Faculty of Engineering requirement of courses that expose students to economics, ethical issues, and the impact of technology on society must be taken as follows:

Economics: One of Law 5220 Income Taxation, Law 5555 Corporate Finance, or an approved Law Selected Topics course.
Ethical Issues: Law 5150 Legal Ethics and Professionalism.
Impact of Technology on Society: One of Law 5615 Biotechnology Law, Law 5605 Advanced Issues in Technology Law, Law 5350 Media Law, Law 5600 Advanced Intellectual Property, Law 5620 Information Law, Law 5625 Intellectual Property, Law 5630 International Protection of Intellectual Property, Law 5610 Advanced Patent Law, or an approved Law Selected Topics course.
Thought Processes of the Humanities and Social Sciences: Law 5110 Constitutional Law, Law 5115 Contracts, Law 5120 Criminal Law, Law 5140 Property, Law 5145 Torts.

Progression Standards
Once admitted to the combined program, students are required to maintain a minimum year weighted average of 75% in their Engineering curriculum courses and a B- average in their Law courses.

Failure to Meet Progression Standards
A student who fails to meet the combined program progression standards in any year will be required to withdraw from the combined program. However, a student who has met the progression standards of either the Engineering or JD program, will be allowed to proceed to the next year of that program. If the progression standards of both individual programs have been satisfied, the student may continue in either program and may petition the Faculty whose program was not selected for permission to complete that program at a later date. A student who is required to withdraw from the combined program and wishes to pursue either or both of the individual programs, must complete all the degree requirements of the individual program or programs in order to graduate from that program or those programs.

Exchange Programs
Students enrolled in the combined program are not eligible for an exchange program with the Faculty of Engineering; however, they may be eligible for an exchange through the Faculty of Law in Year Five or Six. This will require advanced planning with both faculties.

Program Revision – Effective September 1, 2024, the following change(s) be made:

D. MECHANICAL ENGINEERING/HBA

Module/Program Information

Engineering Common First Year Program
Full-year courses: Engineering Science 1050, Business Administration 1299E.
Full-year half course: Engineering Science 1022A/B/Y.
Half-year courses: Numerical and Mathematical Methods 1411A/B, Numerical and Mathematical Methods 1412A/B, Numerical and Mathematical Methods 1414A/B, Chemistry 1302A/B, Engineering Science 1021A/B, Engineering Science 1036A/B, Physics 1401A/B and Physics 1402A/B.

(Three of the half courses are taken in each term as scheduled)

Second Year Program
Numerical and Mathematical Methods 2270A/B, Numerical and Mathematical Methods 2276A/B, MME 2200Q/R/S/T, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2221A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Business Administration 2257.

Third Year Program
The third year of the undergraduate program in Business Administration consists of an integrated set of courses (7.5 courses) designed to give a basic understanding of the functions and the interrelationships of the major areas of management, as well as to develop problem-solving and action-planning skills.

All students will take: Business Administration 3300K, Business Administration 3301K, Business Administration 3302K, Business Administration 3303K, Business Administration 3304K, Business Administration 3311K, Business Administration 3316K, Business Administration 3321K, Business Administration 3322K, Business Administration 3323K.

Fourth Year Program
MME 3303A/B, MME 3307A/B, MME 3325A/B, **MME 3348A/B,** MME 3350A/B, MME 3360A/B, MME 3374A/B, ~~MME 3379A/B,~~ MME 3380A/B, MME 3381A/B, Statistical Sciences 2143A/B.

Applied Project Requirement: Business Administration 4569.

Fifth Year Program
ELI 4110F/G or the former ES 4498F/G, MME 3334A/B, MME 4499.
1.0 technical electives.

3.0 Business Administration courses:

- 0.5 course: International Perspective Requirement: Business Administration 4505A/B.
- 0.5 course: Corporations and Society Perspective Requirement: At least one 0.5 course from Business Administration - Corporations and Society designated electives offered during the academic year (Business Administration 4538A/B, Business Administration 4539A/B, Business Administration 4588A/B, Business Administration 4625A/B) or other business elective as determined and approved by the HBA Program Director to satisfy this requirement.
- 0.5 course: Managerial Accounting Requirement: Business Administration 4624A/B.
- 1.5 elective courses chosen from 4000 level Business courses.

Progression Standards
Students in this combined program must meet the following progression standards: Students enrolled in first year HBA (Year Three) must attain at least 78%.

In Years Four and Five, students must attain a minimum weighted average of 75% in their 4000 level HBA courses and a 75% average in their Engineering courses.

Failure to Meet Progression Standards
A student who fails to meet the progression standards in any year must withdraw from the combined program. However, a student who has met the progression standards of either the HBA or BESc program will be allowed to proceed to the next year of that program. If the progression standards of both individual programs have been satisfied, the student may continue in either program and may petition the School or Faculty whose program was not selected for permission to complete that program at a later date. A student who is required to withdraw from the combined program and wishes to pursue either or both of the individual programs, must complete all the degree requirements of the individual program or programs in order to graduate from that/those program(s).

Exchange Programs
Students enrolled in the combined program are not eligible for an exchange program with the Faculty of Engineering; however, they may be eligible for an exchange through the Richard Ivey School of Business in Year Five. This will require advanced planning and approval of both faculties.

Program Revision – Effective September 1, 2024, the following change(s) be made:

F. MECHANICAL ENGINEERING AND BIOMEDICAL ENGINEERING OPTION

Module/Program Information

Engineering Common First Year Program
Full-year courses: Engineering Science 1050, Business Administration 1299E.
Full-year half course: Engineering Science 1022A/B/Y.
Half-year courses: Numerical and Mathematical Methods 1411A/B, Numerical and Mathematical Methods 1412A/B, Numerical and Mathematical Methods 1414A/B, Chemistry 1302A/B, Engineering Science 1021A/B, Engineering Science 1036A/B, Physics 1401A/B and Physics 1402A/B.

(Three of the half courses are taken in each term as scheduled.)

Second Year Program
Numerical and Mathematical Methods 2270A/B, Numerical and Mathematical Methods 2276A/B, BME 3201A/B, MME 2200Q/R/S/T, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2221A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Statistical Sciences 2143A/B.

Third Year Program
Biology 1001A, Biology 1002B, MME 3303A/B, MME 3307A/B, MME 3325A/B, **MME 3348A/B,** MME 3350A/B, MME 3360A/B, MME 3374A/B, ~~MME 3379A/B,~~ MME 3380A/B, MME 3381A/B, 0.5 non-technical elective.

Fourth Year Program
Biochemistry 2280A, BME 3301A/B, BME 3303A/B, ECE 4455A/B, MME 4469A/B, Physiology 2130, 1.5 Biomedical Sciences Electives, 1.0 Healthcare Non-technical Electives, 0.5 open elective.

Fifth Year Program
BME 4400, MME 3334A/B, MME 4499, Engineering Leadership and Innovation 4110F/G or the former Engineering Science 4498F/G, Engineering Leadership and Innovation 3200A/B or the former Engineering Science 3330A/B, 1.5 BME technical electives, 1.0 MME technical elective.

Biomedical Sciences Electives (Courses that do not appear on this list require special permission):
Biochemistry 3385B, Biochemistry 3386B, Biology 2382A/B, Biology 2581A/B, Chemistry 2213A/B, Chemistry 2223B, Communication Sciences and Disorders 4417A/B, Health Sciences 2300A/B, Health Sciences 3300A/B, Medical Sciences 4931F/G, Physiology 3140A, Psychology 2220A/B.

Biomedical Engineering (BME) Technical Electives (Courses that do not appear on this list require special permission):
CBE 4421A/B, Medical Biophysics 3507G, Medical Biophysics 3645A/B, Medical Biophysics 4475A/B, Medical Biophysics 4535A/B.

Non-technical Electives:
Selection of the non-technical electives must be approved by the Associate Director, Undergraduate Affairs of the School of Biomedical Engineering to satisfy the CEAB requirements of subject matter that deals with central issues, methodologies, and thought processes of the humanities and social sciences. An approved list can be found on the Engineering website. In addition, 1.0 courses must focus on topics related to health care and the health-care system and its effects on individuals and society.

Healthcare Non-technical Electives:
Anthropology 2240A/B, Anthropology 2290A/B or the former Anthropology 2290F/G, Economics 2169F/G, GSWS 2244, History 2195A/B (King's), Law 3101A/B, Philosophy 2272F/G (King's) or the former Philosophy 2072F/G, Philosophy 2715F/G, Political Science 2276F/G (Brescia), Religious Studies 2239F/G (King's), Sociology 2179A/B, Sociology 2180A/B, Writing 3222F/G, the former Philosophy 2071E.

For the course credit designated as an "open elective", students may select any course from the lists of biomedical science electives, BME technical electives, MME technical electives, healthcare non-technical electives, or Faculty of Engineering approved non-technical electives.

Program Revision – Effective September 1, 2024, the following change(s) be made:

H. MECHANICAL ENGINEERING – MECHANICAL ENGINEERING AND ARTIFICIAL INTELLIGENCE SYSTEMS ENGINEERING OPTION

Module/Program Information

Engineering Common First Year Program
Full-year courses: Engineering Science 1050, Business Administration 1299E.
Full-year half course: Engineering Science 1022A/B/Y.
Half-year courses: Numerical and Mathematical Methods 1411A/B, Numerical and Mathematical Methods 1412A/B, Numerical and Mathematical Methods 1414A/B, Chemistry 1302A/B, Engineering Science 1021A/B, Engineering Science 1036A/B, Physics 1401A/B and Physics 1402A/B. (Three of the half courses are taken in each term as scheduled.)

Second Year Program
Numerical and Mathematical Methods 2270A/B, Numerical and Mathematical Methods 2276A/B, MME 2200 Q/R/S/T, MME 2202A/B, MME 2204A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Statistical Sciences 2143A/B, SE 2205A/B, SE 2251A/B.

Third Year Program
Writing 2130F/G, MME 2221A/B, MME 2213A/B, **MME 3348A/B,** MME 3374A/B, ~~MME 3379A/B,~~ ECE 3350A/B, ECE 3351A/B, Data Science 3000A/B, AISE 3010A/B, SE 3309A/B, SE 4430A/B, 0.5 non-technical elective.

Fourth Year Program
MME 3325A/B, MME 3381A/B, MME 3303A/B, MME 3334A/B, MME 3350A/B, MME 3307A/B, MME 3360A/B, MME 3380A/B, AISE 3020A/B, AISE 4010A/B, AISE 4020A/B, 0.5 AISE technical elective.

Fifth Year Program
AISE 4050, ECE 4450A/B, ELI 4110F, 1.5 MME technical electives, 0.5 AISE technical elective, 1.0 non-technical electives*.

*Selection of the non-technical elective must be approved by the department to satisfy the CEAB requirements of subject matter that deals with central issues, methodologies and thought processes of the humanities and social sciences. More information about approved non-technical electives can be found on the Engineering website.

Technical Electives:
MME 3379A/B, MME 4410, MME 4423A/B, MME 4424A/B, MME 4427A/B, MME 4428A/B, MME 4429A/B, MME 4435A/B, MME 4437A/B, MME 4450A/B, MME 4452A/B, MME 4453A/B, MME 4459A/B, MME 4460A/B, MME 4469A/B, MME 4470A/B, MME 4473A/B, MME 4474A/B, MME 4475A/B, MME 4480A/B, MME 4482A/B, MME 4483A/B, MME 4485A/B, MME 4487A/B, MME 4490A/B, MME 4492A/B.

AISE Technical Electives:
Computer Science 4417A/B, Statistical Sciences 4861A/B.
Some technical electives may not be offered in a given academic year.

Related Information
The Artificial Intelligence Systems Engineering program is offered and administered by the Department of Electrical and Computer Engineering in the Faculty of Engineering.

Course Introduction – Effective September 1, 2024, the following course be introduced:

MECHANICAL AND MATERIALS ENGINEERING 3348A/B
MANUFACTURING PROCESSES

This course introduces modern industrial processes for manufacturing various engineering products. The relationships between materials properties, manufacturing processes, and the performances of the finished components are studied. The course combines theoretical principles with practical applications to equip students with the skills necessary for addressing contemporary challenges in manufacturing industries.

Prerequisite(s): Engineering Science 1021A/B, MME 2202A/B or CEE 2202A/B, MME 2260A/B.
Extra Information: 3 lecture hours, 2 laboratory hours, 1 tutorial hour.
Course Weight: 0.50

FACULTY OF HEALTH SCIENCES

SCHOOL OF HEALTH STUDIES

Program Revision – Effective September 1, 2024, the following change(s) be made:

MAJOR IN REHABILITATION SCIENCES

Module
6.0 courses:

0.5 course from: Health Sciences 2700A/B, Health Sciences 2711A/B, Kinesiology 3347A/B, Psychology 2410A/B. ***Note: Students enrolled in a double major in Health Studies and Rehabilitation Sciences must replace this requirement with 0.5 Rehabilitation Sciences course at the 3000-level or above (not previously selected).***
0.5 course: Health Sciences 2801A/B or Kinesiology 2032A/B or equivalent statistics course at the 2000 level or above.
1.0 course: Rehabilitation Sciences 3060A/B and Rehabilitation Sciences 3061A/B.
0.5 course from: Health Sciences 2300A/B, Kinesiology 2222A/B (minimum grade of 70%), the former Anatomy and Cell Biology 2221.
3.5 courses from: Health Sciences 3050A/B, Health Sciences 3300A/B, Health Sciences 4074A/B, Kinesiology 3222A/B, Kinesiology 3336A/B, Kinesiology 3457A/B, Kinesiology 3474A/B, Kinesiology 3480A/B, Kinesiology 3550A/B, Kinesiology 4437A/B, Kinesiology 4457A/B, Kinesiology 4474A/B, Kinesiology 4560A/B, the former Kinesiology 4450A/B, Rehabilitation Sciences or Communication Sciences and Disorders at the 3000-level or above, not previously selected.

Note: A maximum of 1.0 FCE may be used as a double credit towards a degree with combined modules (e.g. specialization and minor, double major, major and minor).
~~Note: All students must complete a Statistics course as a pre or co requisite to Kinesiology 2032A/B.~~

Course Introduction – Effective September 1, 2024, the following course be introduced:

HEALTH SCIENCES 1300A/B
FUNCTIONAL HUMAN GROSS ANATOMY
A gross anatomical description of systemic structure and function of the human body, with emphasis on skeletal, muscular and cardiovascular systems. Integration between systems will be discussed using clinical examples related to sport, medicine, and physical therapy.

Antirequisite(s): Anatomy and Cell Biology 2200A/B, Health Sciences 2300A/B, Kinesiology 1060A/B, Kinesiology 2222A/B, Nursing 1330A/B, the former Anatomy and Cell Biology 2221, the former Anatomy and Cell Biology 3319, the former Health Sciences 2330A/B.
Prerequisite(s): Grade 12U Biology or equivalent is strongly recommended.
Extra Information: 3 lecture hours, 1 laboratory hour.
Course Weight: 0.50

Course Introduction – Effective September 1, 2024, the following course be introduced:

HEALTH SCIENCES 2400A/B
HEALTH POLICY
An examination of who makes the 'big' decisions about health issues, as well as why and how those decisions are made. With a Canadian focus, key issues addressed include the different arenas wherein health policy is created; actors involved in the policy process; and choosing, implementing, and evaluating policy instruments.

Antirequisite(s): Health Sciences 3400A/B.
Prerequisite(s): Health Sciences 1001A/B and Health Sciences 1002A/B with a minimum grade of 60% in each.
Extra Information: 3 lecture hours.
Course Weight: 0.50

Course Introduction – Effective September 1, 2024, the following course be introduced:

HEALTH SCIENCES 4770F/G
MATERNAL AND CHILD HEALTH
This course will explore contemporary issues in maternal and child health. The history of maternal health, parenting, birth, breastfeeding, and maternal decision making will be examined. In addition, contexts in which mothering occurs will be explored.

Antirequisite(s): Health Sciences 4093G, if taken in 2021-22 (section 001) or 2023-24 (section 002).
Prerequisite(s): Health Sciences 2700A/B or Kinesiology 3347A/B or Psychology 2040A/B or Psychology 2410A/B or Psychology 2480E; Health Sciences 2801A/B; Health Sciences 3801A/B.
Extra Information: 3 lecture hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

HEALTH SCIENCES 2300A/B
FUNCTIONAL HUMAN GROSS ANATOMY
A gross anatomical description of systemic structure and function of the human body, with emphasis on skeletal, muscular and cardiovascular systems. Integration between systems will be discussed using clinical examples related to sport, medicine, and physical therapy. This is an introductory level lecture course.

Antirequisite(s): Anatomy and Cell Biology 2200A/B, ~~the former Anatomy and Cell Biology 2221,~~ **Health Sciences 1300A/B,** Kinesiology 1060A/B, Kinesiology 2222A/B, **Nursing 1330A/B,** the former Health Sciences 2330A/B, **the former Anatomy and Cell Biology 2221,** and the former Anatomy and Cell Biology 3319.
Prerequisite(s): Grade 12U Biology or equivalent is strongly recommended.
Registration information: Students not in a Health Science program are limited to a 1.5 Health Science course load.
Extra Information: 3 lecture hours, 1.0 laboratory hour.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

HEALTH SCIENCES 2700A/B
HEALTH ISSUES IN CHILDHOOD AND ADOLESCENCE
This course will explore the physical, social, psychological, and spiritual determinates of health from the prenatal period to early adulthood. The focus will be on health applications of developmental concepts, and emphasis will be placed on contemporary issues affecting health.

Antirequisite(s): Kinesiology 3347A/B**, Psychology 2040A/B, Psychology 2410A/B, Psychology 2480E, and the former Psychology 2044**.
Prerequisite(s): Minimum of 60% [mandatory] in each of Health Sciences 1001A/B and Health Sciences 1002A/B.
Extra Information: 2 lecture hours, 1 tutorial.

Course Revision – Effective September 1, 2024, the following change(s) be made:

HEALTH SCIENCES 3300A/B
ANATOMY OF THE HUMAN BODY: A DESCRIPTION OF SYSTEMIC STRUCTURE & FUNCTION
A gross anatomical description of the structure and function of the human body focusing on systems responsible for maintaining the body (respiratory, digestive, urinary, endocrine), and for its continuation through the transmission of genes (reproductive system, developmental anatomy). Emphasis on the physiological functions as they relate to the anatomical structure.

Antirequisite(s): Anatomy and Cell Biology 3200A/B, the former Anatomy and Cell Biology 2221, the former Anatomy and Cell Biology 3319, Kinesiology 3222A/B.
Prerequisite(s): Any of the following courses: **Health Sciences 1300A/B;** Health Sciences 2300A/B; the former Health Sciences 2330A/B; Kinesiology 1060A/B; Kinesiology 2222A/B; Nursing 1330A/B; Anatomy and Cell Biology 2200A/B.
Extra Information: 3 lecture hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

HEALTH SCIENCES 3701A/B
THE AGING BODY
This course examines the complexities of aging from a physiological perspective and provides students with learning opportunities to examine normal and abnormal aging, theories of aging, common conditions associated with aging, compression of morbidity, the concept of frailty, aging as a developmental process, and the complex interaction of disease, disability and function with advancing age.

Prerequisite(s): **Health Sciences 1300A/B or** Health Sciences 2300A/B, Health Sciences 2700A/B and Health Sciences 2711A/B.
Extra Information: 3 hours.
Course Weight: 0.50

SCHOOL OF KINESIOLOGY

Course Revision – Effective September 1, 2024, the following change(s) be made:

KINESIOLOGY 1060A/B
FUNCTIONAL HUMAN GROSS ANATOMY
A gross anatomical description of systemic structure and function of the human body, with emphasis on skeletal, muscular and cardiovascular systems. Integration between systems will be discussed using clinical examples related to sport, medicine, and physical therapy.

Antirequisite(s): **Anatomy and Cell Biology 2200A/B,** Nursing 1330A/B; **Health Sciences 1300A/B;** Health Sciences 2300A/B; the former Health Sciences 2330A/B; Kinesiology 2222A/B.
Prerequisite(s): Grade 12U Biology or equivalent is strongly recommended.
Extra Information: 3 lecture hours, 1 laboratory hour.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

KINESIOLOGY 2222A/B
FUNCTIONAL HUMAN GROSS ANATOMY
A gross anatomical description of systemic structure and function of the human body, with emphasis on skeletal, muscular and cardiovascular systems. Integration between systems will be discussed using clinical examples related to sport, medicine, and physical therapy. This is an introductory level lecture course for BA Kinesiology students.

Antirequisite(s): Anatomy and Cell Biology 2200A/B, **Health Sciences 1300A/B,** Health Sciences 2300A/B, the former Health Sciences 2330A/B, the former Anatomy and Cell Biology 2221, the former Anatomy and Cell Biology 3319, Kinesiology 1060A/B, Nursing 1330A/B.
Prerequisite(s): Completion of the first year Kinesiology program and registration in the School of Kinesiology. Grade 12U Biology or equivalent is strongly recommended.
Extra Information: 3 lecture hours, 1.0 laboratory hour.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

KINESIOLOGY 2236A/B
INTRODUCTION TO ATHLETIC INJURIES
Students will be introduced to the most commonly occurring activity injuries. Initial treatments, guidelines for referral, return to sport, and preventative measures will be discussed.

Prerequisite(s): Any of following courses: Anatomy and Cell Biology 2200A/B; Kinesiology 1060A/B; Kinesiology 2222A/B; **Health Sciences 1300A/B;** Health Sciences 2300A/B; the former Health Sciences 2330A/B; Nursing 1330A/B.
Pre-or Corequisite(s): The former Anatomy and Cell Biology 2221 or the former Anatomy and Cell Biology 3319 if the prerequisite has not been completed.
Extra Information: 3 lecture hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

KINESIOLOGY 3222A/B
ANATOMY OF THE HUMAN BODY: A DESCRIPTION OF SYSTEMIC STRUCTURE AND FUNCTION
A gross anatomical description of the structure and function of the human body focusing on systems responsible for maintaining the body (respiratory, digestive, urinary, endocrine), and for its continuation through the transmission of genes (reproductive system, developmental anatomy). Emphasis on the physiological functions as they relate to the anatomical structure.

Antirequisite(s): Anatomy and Cell Biology 3200A/B, Health Sciences 3300A/B, the former Anatomy and Cell Biology 2221, the former Anatomy and Cell Biology 3319.
Prerequisite(s): Any of the following courses: Kinesiology 1060A/B; Kinesiology 2222A/B; **Health Sciences 1300A/B;** Health Sciences 2300A/B; the former Health Sciences 2330A/B; Nursing 1330A/B; Anatomy and Cell Biology 2200A/B.
Extra Information: 3 lecture hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

KINESIOLOGY 3336A/B
PRACTICAL ASPECTS OF ATHLETIC INJURIES
The purpose of this course is to provide an introduction to the recognition, initial assessment, care and methods of prevention of injuries commonly occurring in sport. The practical skills of methods of assessment and adhesive strapping are emphasized in the labs.

Prerequisite(s): Kinesiology 2241A/B (with a minimum grade of 60%) and Kinesiology 2236A/B (with a minimum grade of 78%) and any of the following courses with a minimum grade of 60%: Kinesiology 1060A/B; Kinesiology 2222A/B; **Health Sciences 1300A/B;** Health Sciences 2300A/B; the former Health Sciences 2330A/B; Nursing 1330A/B; Anatomy and Cell Biology 2200A/B; the former Anatomy and Cell Biology 2221; the former Anatomy and Cell Biology 3319.
Extra Information: 2 lecture hours, 2 laboratory hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

KINESIOLOGY 3343A/B
BIOMECHANICAL ANALYSIS OF DISCRETE SPORT SKILLS
A laboratory-oriented, quantitative approach to the study of jumping, striking and throwing patterns incorporated into various sports.

Antirequisite(s): Kinesiology 3353A/B.
Prerequisite(s): Kinesiology 2241A/B; Anatomy and Cell Biology 2200A/B or the former Kinesiology 2222A/B or **Health Sciences 1300A/B or** Health Sciences 2300A/B or Health Sciences 2330A/B or the former Anatomy and Cell Biology 2221 or the former Anatomy and Cell Biology 3319. Priority to BSc Honours Specialization Kinesiology students.
Extra Information: 3 lecture hours, 2 laboratory hours. Priority to BSc Honours Specialization Kinesiology students.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

KINESIOLOGY 3353A/B
BIOMECHANICAL ANALYSIS OF HUMAN LOCOMOTION
A laboratory-oriented, quantitative approach to the study of activities of a cyclic or repetitive nature by which individuals propel themselves overground or through water.

Antirequisite(s): Kinesiology 3343A/B.
Prerequisite(s): Kinesiology 2241A/B; any of the following courses: Kinesiology 1060A/B; Kinesiology 2222A/B; **Health Sciences 1300A/B;** Health Sciences 2300A/B; the former Health Sciences 2330A/B; Nursing 1330A/B; Anatomy and Cell Biology 2200A/B.
Extra Information: 3 lecture hours, 2 laboratory hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

KINESIOLOGY 3480A/B
MOVEMENT NEUROSCIENCE
This course is designed to provide students with an intermediary level and multi-disciplinary understanding of movement neuroscience. Topics include nervous system structures involved in planning, control and learning of movement, as well as the neurocognitive principles of movement. Students will also be introduced to neuro-pathology (e.g. Parkinson's disease) and the relationship to motor impairment.

Prerequisite(s): Kinesiology 2230A/B, Kinesiology 2241A/B and any of the following courses: Kinesiology 1060A/B; Kinesiology 2222A/B; **Health Sciences 1300A/B;** Health Sciences 2300A/B; the former Health Sciences 2330A/B; Nursing 1330A/B; Anatomy and Cell Biology 2200A/B.
Extra Information: 3 lecture hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

KINESIOLOGY 3550A/B
KINESIOLOGY AT WORK
Students will draw on knowledge gained throughout their undergraduate courses and apply them along with new concepts as we discuss common occupational injuries, basic ergonomics and occupational biomechanics.

Prerequisite(s): Kinesiology 2230A/B, Kinesiology 2241A/B and any of the following courses: Kinesiology 1060A/B; Kinesiology 2222A/B; **Health Sciences 1300A/B;** Health Sciences 2300A/B; the former Health Sciences 2330A/B; Nursing 1330A/B; Anatomy and Cell Biology 2200A/B.

Extra Information: 2 lecture hours, 2 hour lab biweekly.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

KINESIOLOGY 4420A/B
IMPACT OF EXERCISE DURING PREGNANCY ON CHRONIC DISEASE RISK
Discussion of human pregnancy and the impact of exercise to prevent or treat cardiovascular disease, obesity and metabolic syndrome/type 2 diabetes will occur. The theory of the 'Thrifty phenotype' will be discussed and the mother/fetal link to chronic disease risk. Active living during pregnancy and exercise prescription will be emphasized.

Antirequisite(s): ~~Kinesiology 4471B (if taken to 2009-10).~~
Prerequisite(s): Kinesiology 3337A/B and any of the following courses: Kinesiology 1060A/B; Kinesiology 2222A/B; **Health Sciences 1300A/B;** Health Sciences 2300A/B; the former Health Sciences 2330A/B; Nursing 1330A/B; Anatomy and Cell Biology 2200A/B.
Extra Information: 1 lecture hour, 1 seminar hour.
Course Weight: 0.50

ARTHUR LABATT FAMILY SCHOOL OF NURSING

Course Introduction – Effective September 1, 2024, the following course be introduced:

NURSING 2440A/B
PATHOPHYSIOLOGY
Students will analyze the development of human disease by exploring common health related problems including the age-related, genetic, environmental, and behavioural influences on disease development. While further developing critical thinking in nursing care, changes to the structure and function of tissue and organs and resultant clinical manifestations will be examined.

Antirequisite(s): Pathology 2420A/B.
Prerequisite(s): One of Nursing 1330A/B, Kinesiology 1060A/B, Kinesiology 2222A/B, Health Sciences 2300A/B, Anatomy and Cell Biology 2200A/B; **AND** one of Physiology 1020, Physiology 1021, Physiology 2130, Physiology and Pharmacology 2000.
Extra information: 3 lecture hours.
Course Weight: 0.50

Course Introduction – Effective January 1, 2024, the following course be introduced:

NURSING 4451W/X
OPERATING ROOM INTEGRATIVE PRACTICUM
(Short title: OR Integrative Practicum)
Students work to synthesize knowledge and experience gained throughout the program, specifically in the Operating Room. Students focus on gaining proficiency in evidence-informed practice, developing leadership skills and independence, and creating an individual philosophy of practice. Ultimately, students work towards the Association of Operating Room Nurses (AORN) credentialing.

Prerequisite(s): Nursing 4410A/B; Registration in Year 4 of the Western-Fanshawe Collaborative BScN program or Compressed Time Frame BScN program.
Extra Information: Clinical Practice, Pass/Fail.
Course Weight: 2.0

Course Revision – Effective September 1, 2024, the following change(s) be made:

NURSING 1330A/B
HUMAN ANATOMY FOR NURSING STUDENTS
A gross anatomical description of the systemic structure and function of the human body. Emphasis will be placed on clinical nursing applications.

Antirequisite(s): **Anatomy and Cell Biology 2200A/B; Health Sciences 1300A/B;** Health Sciences 2300A/B, the former Health Sciences 2330A/B, Kinesiology 1060A/B, Kinesiology 2222A/B. Note: Nursing 1330A/B must be taken if any of these antirequisite courses have been completed with a grade less than 60%.
Prerequisite(s): Registration in Year 1 of the Western-Fanshawe Collaborative BScN Program.
Extra Information: 3 theory hours.
Course Weight: 0.50

FACULTY OF LAW

Program Revision – Effective September 1, 2024, the following change(s) be made:

LAW/MECHANICAL ENGINEERING

Module/Program Information

Engineering Common First Year Program
Full-year courses: Engineering Science 1050, Business Administration 1299E.
Full-year half course: Engineering Science 1022A/B/Y.
Half-year courses: Numerical and Mathematical Methods 1411A/B, Numerical and Mathematical Methods 1412A/B, Numerical and Mathematical Methods 1414A/B, Chemistry 1302A/B, Engineering Science 1021A/B, Engineering Science 1036A/B, Physics 1401A/B and Physics 1402A/B.

(Three of the half courses are taken in each term as scheduled)

Second Year Program
Numerical and Mathematical Methods 2270A/B, Numerical and Mathematical Methods 2276A/B, MME 2200Q/R/S/T, MME 2202A/B, MME 2204A/B, MME 2213A/B, MME 2221A/B, MME 2259A/B, MME 2260A/B, MME 2273A/B, MME 2285A/B, Statistical Sciences 2143A/B, Writing 2130F/G.

Third Year Program
MME 3303A/B, MME 3307A/B, MME 3325A/B, MME 3334A/B, **MME 3348A/B,** MME 3350A/B, MME 3360A/B, MME 3374A/B, ~~MME 3379A/B,~~ MME 3380A/B, MME 3381A/B.

Fourth Year Program
First year Law curriculum. No courses outside Law may be taken during this year.

Fifth and Sixth Year Programs
MME 4499, two 0.5 Technical electives approved by the MME program.

In years five and six, students must take courses in Law totaling 45 credit hours. These courses must include the three compulsory upper-year courses and courses that satisfy the Faculty of Law writing requirements. They must also include one of the courses listed below under “Economics” and one listed under “Impact of Technology on Society”.

Notes: Fulfillment of the Faculty of Engineering requirement of courses that expose students to economics, ethical issues, and the impact of technology on society must be taken as follows:

Economics: One of Law 5220 Income Taxation, Law 5555 Corporate Finance, or an approved Law Selected Topics course.
Ethical Issues: Law 5150 Legal Ethics and Professionalism.
Impact of Technology on Society: One of Law 5615 Biotechnology Law, Law 5605 Advanced Issues in Technology Law, Law 5350 Media Law, Law 5600 Advanced Intellectual Property, Law 5620 Information Law, Law 5625 Intellectual Property, Law 5630 International Protection of Intellectual Property, Law 5610 Advanced Patent Law, or an approved Law Selected Topics course.
Thought Processes of the Humanities and Social Sciences: Law 5110 Constitutional Law, Law 5115 Contracts, Law 5120 Criminal Law, Law 5140 Property, Law 5145 Torts.

Progression Standards
Once admitted to the combined program, students are required to maintain a minimum year weighted average of 75% in their Engineering curriculum courses and a B- average in their Law courses.

Failure to Meet Progression Standards
A student who fails to meet the combined program progression standards in any year will be required to withdraw from the combined program. However, a student who has met the progression standards of either the Engineering or JD program, will be allowed to proceed to the next year of that program. If the progression standards of both individual programs have been satisfied, the student may continue in either program and may petition the Faculty whose program was not selected for permission to complete that program at a later date. A student who is required to withdraw from the combined program and wishes to pursue either or both of the individual programs, must complete all the degree requirements of the individual program or programs in order to graduate from that program or those programs.

Exchange Programs
Students enrolled in the combined program are not eligible for an exchange program with the Faculty of Engineering; however, they may be eligible for an exchange through the Faculty of Law in Year Five or Six. This will require advanced planning with both faculties.

FACULTY OF SCIENCE

DEPARTMENT OF BIOLOGY

Course Revision – Effective September 1, 2024, the following change(s) be made:

BIOLOGY 3326F/G
CELL BIOLOGY LABORATORY
Training in current cell biological methods such as ~~tissue~~ **animal cell** culture, cell fractionation, **authentication of cell lines (karyotype and PCR analysis),** computer-assisted microscopy **and bioimaging, (immuno)cytochemistry,** and **protein** analysis ~~and immunocytochemistry~~.

Prerequisite(s): Biology 2290F/G, Biochemistry 2280A; a minimum mark of 70% in Biology 2382A/B.
Extra Information: ~~5~~ **4** laboratory hours**, 1 lecture/tutorial hour**.
Course Weight: 0.50

FACULTY OF SOCIAL SCIENCE

DEPARTMENT OF GEOGRAPHY AND ENVIRONMENT

Course Revision – Effective September 1, 2024, the following change(s) be made:

GEOGRAPHY 3000Y
FIELD METHODS AND PRACTICES
Departmental field trips to develop student skills in field-based observation, data collection and recording, and analysis and interpretation of human and physical landscapes.

~~Antirequisite(s): Geography 3001F/G.~~
Prerequisite(s): 3rd year status in any module in the Department of Geography and Environment except the Minor; limited enrolment. Priority given to Specialization and Honours Specialization students.
Extra Information: Sessions and dates by arrangements. Students should be prepared to meet the necessary travel and living expenses.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

GEOGRAPHY 3001F/G
COMMUNITY-BASED RESEARCH IN INDIGENOUS STUDIES
This is an advanced community-based experiential course that combines in-class discussions with community-based research. Students will train in methodologies and ethics of working with First Nations communities. Areas of research may include but not limited to ecological restoration, land claims, self-government, education, health and wellness and urban issues.

Antirequisite(s): ~~Geography 3000Y,~~ Earth Sciences 3023F/G, Indigenous Studies 4023F/G.
Prerequisite(s): Permission of the Department and 3rd or 4th year status in any Specialization or Honours Specialization module in the Department of Geography and Environment.
Extra Information: 2 lecture hours.
Course Weight: 0.50

KING'S UNIVERSITY COLLEGE

ENGLISH, FRENCH AND WRITING

Course Revision – Effective September 1, 2024, the following change(s) be made:

ENGLISH 3261F/G
PSYCHOANALYSIS AND LITERARY CRITICISM IN THE TWENTY-FIRST CENTURY
~~PSYCHOLOGY AND LITERATURE: TORTURED MINDS, TWISTED TEXTS~~
(Short title: Psychoanalysis and Literature)
This course pairs key psychoanalytic theories with literary "case studies" to trace the various afterlives of Freudian and post-Freudian thought within literary studies. By focusing on various literary devices, we will investigate the surprising correspondence between how the unconscious mind processes experience and how the author produces meaning through texts. ~~This course investigates the connections between literary story-telling and psychological storytelling, between stories that authors tell about characters and the stories that we tell about ourselves. Examining key psychoanalytical literary texts, this course considers the extent to which psychoanalytic theory employs literary figures to explain the workings of the unconscious.~~

Antirequisite(s): ~~English 2061F/G (2014-15), (2013-14); English 2061F/G (2016-17) or the former 2261F/G.~~
Prerequisite(s): At least 60% in 1.0 of English 1000-1999, or permission of the Department.
Extra Information: 3 hours.
Course Weight: 0.50

INTERDISCIPLINARY STUDIES

Program Revision – Effective September 1, 2024, the following change(s) be made:

MINOR IN MIGRATION AND BORDER STUDIES

Admission Requirements
Completion of first year requirements including 1.0 course ~~numbered 1000-1999 from Group A~~ **from English 1027F/G, English 1028F/G, Philosophy 1050F/G, Philosophy 1120F/G, Social Justice and Peace Studies 1025F/G, or Social Justice and Peace Studies 1026F/G with a minimum grade of 60% in each course** and 1.0 course ~~numbered 1000-1999 from Group B~~ **from Political Science 1021F/G, Political Science 1022F/G, Sociology 1020/W/X, or**

Sociology 1021E with a minimum grade of 60% in each course. **Other courses may be considered by the Department.**

Module
4.0 courses:

0.5 course: Interdisciplinary Studies 2277F/G.
1.5 course numbered 2000 and above from Group A.
2.0 courses numbered 2000 and above from Group B.

GROUP A
~~English 1027F/G, English 1028F/G~~, ~~Philosophy 1050F/G, Philosophy 1120F/G, Social Justice and Peace Studies 1025F/G, Social Justice and Peace Studies 1026F/G, Other courses may be considered by the Department,~~ Childhood and Youth Studies 2221A/B, English 2071F/G, English 2072F/G, English 2262F/G, English 3679F/G, English 3680F/G, English 3698F/G, English 3699F/G, **History 2650E,** History 4502F/G, Political Science 2218F/G, Political Science 3311F/G, Political Science 4407F/G, Social Justice and Peace Studies 2303**F/G**~~A/B~~, Social Justice and Peace Studies 2304F/G, Social Justice and Peace Studies 3211F/G, Sociology 2270A/B, Sociology 2271A/B, Sociology 2281A/B, Sociology 3341F/G, Sociology 3344F/G, Sociology 3382F/G, Sociology 3371F/G, Sociology 3378F/G, Sociology 3387F/G, Sociology 4441A/B. **Other courses may be considered by the Department.**

GROUP B
~~Political Science 1021F/G, Political Science 1022F/G, Sociology 1020, Sociology 1020W/X or Sociology 1021E, Other courses may be considered by the Department,~~ Childhood and Youth Studies 3366F/G, Childhood and Youth Studies 3367F/G, Political Science 3301F/G, Political Science 3307F/G, Political Science 3302F/G, Social Justice and Peace Studies 2290A/B, Social Justice and Peace Studies 2302**F/G**~~A/B~~, Social Justice and Peace Studies 3210F/G, Social Justice and Peace Studies 3367F/G, Social Justice and Peace Studies 3375F/G, Sociology 2281A/B, Sociology 3318F/G, Sociology 3342F/G, Sociology 3354F/G, ~~Sociology 3351F/G~~, Sociology 4416F/G. Other courses may be considered by the Department.

POLITICS AND INTERNATIONAL RELATIONS

Course Revision – Effective September 1, 2024, the following change(s) be made:

POLITICAL SCIENCE 3369F/G
GLOBAL DIPLOMACY: INTERNATIONAL LAW AND ORGANIZATIONS IN ACTION
~~INTERNATIONAL LAW AND ORGANIZATION~~
(Short title: Global Diplomacy)
A study of principles and operations of international law, global organizations and regional groupings, emphasizing their relevance to conflict resolution and the creation of prosperity in the 21st century. Cases include the United Nations, World Trade Organization, European Union, African Union, International Criminal Court, International Monetary Fund and World Bank.

Antirequisite(s): Political Science 3345E.
Prerequisite(s): Political Science 2231E or permission of the Department.
Extra Information: 2 seminar hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

POLITICAL SCIENCE 4435F/G
CANADIAN LAW AND PUBLIC POLICY
This course addresses the creation and evolution of core areas of Canadian public policy including social, resource and fiscal policy. Emphasis will be placed on theories of policy creation and evolution, as well as policy evaluation. Students will explore how partisan interests, focusing events and the federal arrangement impact policymaking.

Antirequisite(s): Political Science 3307F/G.
Prerequisite(s): One of Political Science 2230E**,** ~~or~~ Political Science 2245E **or Political Science 2545F/G** and year 3 or 4 standing, or permission of the department.
Extra Information: 2 seminar hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

POLITICAL SCIENCE 4436F/G
POLITICAL COMMUNICATIONS
Political communications is the study of purposeful communications around politics, including messaging by, to, and about politicians, political elites, and members of civil society. In this seminar, students will cultivate skills in crafting, critically analyzing and formally evaluating the efficacy and utility of political communications.

Prerequisite(s): One of Political Science 2230E, ~~or~~ Political Science 2245E **or Political Science 2545F/G** and year 3 or 4 standing, or permission of the department.
Extra Information: 2 seminar hours.
Course Weight: 0.50

PSYCHOLOGY

Program Revision – Effective September 1, 2024, the following change(s) be made:

HONOURS SPECIALIZATION IN PSYCHOLOGY
Module
9.0 courses:

0.5 course**:** Psychology 2840F/G.
0.5 course from: Psychology 2100-2299.
0.5 course from: Psychology 2300-2799.
1.5 additional courses in Psychology from the 2100-2999 series.
0.5 course from: Writing 1020F/G, Writing 1022F/G or Writing 2101F/G.
1.5 courses: Psychology 3891F/G, Psychology 3892F/G, Psychology 3893F/G.
1.5 further Psychology courses at the 3000 level.
1.0 course: Psychology 4891E ~~or Psychology 4893E~~.
1.5 additional courses in Psychology at the 3000 level or above.

Program Revision – Effective September 1, 2024, the following change(s) be made:

HONOURS SPECIALIZATION IN APPLIED PSYCHOLOGY
Module
9.0 courses:

0.5 course**:** Psychology 2840F/G.
0.5 course from: Psychology 2100-2299.
0.5 course from: Psychology 2300-2799.
0.5 course: Psychology 2990A/B.
1.0 additional courses in Psychology from the 2100-2999 series.
0.5 course from: Writing 1020F/G, Writing 1022F/G or Writing 2101F/G.
1.5 courses: Psychology 3840F/G, Psychology 3891F/G, Psychology 3893F/G.
1.5 additional courses in Psychology at the 3000 level.
1.5 additional courses in Psychology at the **3000 level or above** ~~4000 level~~.
1.0 course**:** Psychology 4893E.

Course Revision – Effective September 1, 2024, the following change(s) be made:

PSYCHOLOGY 3330F/G
HEALTH PSYCHOLOGY
This course will focus on the scientific and professional contributions of the discipline of psychology to the promotion and maintenance of health, the prevention and treatment of illness, and the identification of etiologic correlates of health, illness, and related dysfunction.

Antirequisite(s): Psychology 2036A/B, Psychology 2330A/B.
Prerequisite(s): Psychology 2840F/G (or Psychology 2800E, Psychology 2820E, Psychology 2830A/B, Psychology 2855F/G or Psychology 2856F/G) and registration in the third or fourth year of Honours Specialization, Honours Double Major, Major or Specialization in Psychology, **Honours Specialization in Applied Psychology,** or permission of the Department.
Extra Information: 3 seminar hours.
Course Weight: 0.50

Administrative Note for Calendar Editors: The proposed change for Psychology 3330F/G will also apply to the offering of the course at Brescia University College.

Course Revision – Effective September 1, 2024, the following change(s) be made:

PSYCHOLOGY 3410F/G
COGNITIVE DEVELOPMENT
A review of theories and data related to how cognition develops in children. Topics may include the development of memory, perception, language, strategies, spatial cognition, and problem solving.

Prerequisite(s): Registration in third or fourth year of a Major, Specialization or Honours Specialization in Psychology, **Honours Specialization in Applied Psychology,** or permission of **the department** ~~instructor/department~~.
Extra Information: 3 lecture hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

PSYCHOLOGY 3740F/G
SOCIAL PSYCHOLOGY OF ATTITUDES
This course provides an introduction to social psychological research and theories in the area of attitudes. The topics include classic and contemporary theories of attitudes (e.g., Dissonance Theory, Elaboration Likelihood Model), how attitudes are defined, measured, formed, and changed, as well as how attitudes affect how we think and behave.

Antirequisite(s): Psychology 3721F/G, **Psychology 3722F/G,** Psychology 3723F/G~~, Psychology 3995G (2016, 2015 and 2014)~~.
Prerequisite(s): Psychology 2840F/G (or Psychology 2800E, Psychology 2820E, Psychology 2830A/B, Psychology 2855F/G or Psychology 2856F/G) and registration in the third or fourth year of Honours Specialization, Honours Double Major, Major or Specialization in Psychology, **Honours Specialization in Applied Psychology,** or permission of the Department.
Extra Information: 3 lecture/discussion hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

PSYCHOLOGY 3770F/G
THE SELF
This course examines the history of the self as a topic of study in Psychology and reviews recent research on self and identity. Topics include self-esteem, self-presentation, the nature of our self-knowledge, social aspects to the self, self-control, and the role of the self in motivation and morality.

Prerequisite(s): Psychology 2840F/G (or Psychology 2801F/G, Psychology 2802F/G, the former Psychology 2800E, the former Psychology 2820E, Psychology 2830A/B, Psychology 2855F/G or Psychology 2856F/G) and registration in the third or fourth year of Honours Specialization, Honours Double Major, Major or Specialization in Psychology**, Honours Specialization in Applied Psychology, or permission of the department**.
Extra Information: 3 lecture hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

PSYCHOLOGY 3861F/G
QUALITATIVE RESEARCH IN THE SOCIAL SCIENCES
This course will enhance students' awareness and use of theoretical and methodological approaches to qualitative research and explore the most common approaches to qualitative research – narrative, ethnography, phenomenology, case study, and grounded theory – and several less traditional arts-based approaches. Students will develop hands-on skills for collecting and analyzing qualitative data.

Antirequisite(s): **Health Sciences 3811F/G,** Sociology 3310F/G, Psychology 3860F/G, Thanatology 3330F/G.
Prerequisite(s): Psychology 2840F/G.
Extra Information: 3 lecture hours. Cross-listed with Thanatology 3330F/G.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

PSYCHOLOGY 3998F/G
INDEPENDENT STUDY
Individual reading and research at an advanced level under faculty supervision. Students are responsible for arranging independent study credit with an individual faculty member of their choice.

Antirequisite(s): Psychology 3996F.

Prerequisite(s): One of Psychology 2830A/B, Psychology 2840F/G, Psychology 2850A/B AND registration in third or fourth year of the **Honours Specialization in Applied Psychology, or** Major or Honours Specialization modules in Psychology at Brescia, Huron, or King's. In addition, written permission of instructor and department and an "A" average the previous year.
Course Weight: 0.50

Administrative Note for Calendar Editors: The proposed change for Psychology 3998F/G will also apply to the offerings of the course at Brescia University College and Huron University College.

Course Revision – Effective September 1, 2024, the following change(s) be made:

PSYCHOLOGY 3999G
INDEPENDENT STUDY
Individual reading and research at an advanced level under faculty supervision. Students are responsible for arranging independent study credit with an individual faculty member of their choice.

Antirequisite(s): Psychology 3997G.
Prerequisite(s): One of Psychology 2830A/B, Psychology 2840F/G, Psychology 2850A/B AND registration in third or fourth year of the **Honours Specialization in Applied Psychology, or** Major or Honours Specialization modules in Psychology at Brescia, Huron, or King's. In addition, written permission of instructor and department and an "A" average the previous year.
Course Weight: 0.50

Administrative Note for Calendar Editors: The proposed change for Psychology 3998F/G will also apply to the offerings of the course at Brescia University College and Huron University College.

Course Revision – Effective September 1, 2024, the following change(s) be made:

PSYCHOLOGY 4303F/G
MENTAL HEALTH AND DEAFNESS
Topics include definitions of deafness, cultural models, education and language choices, identity and peer/family relationships. Clinical presentation of mental health disorders as well as best practices for treatment delivery will be examined. Issues of diversity in psychology will be highlighted as well as the role of clinician in specialty areas.

Prerequisite(s): Registration in fourth year of a degree in Psychology, **or Applied Psychology,** or permission of the Department.
Extra Information: 3 seminar hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

PSYCHOLOGY 4304F/G
DIVERSITY
This course examines social psychological contributions to equity, diversity, and inclusion. Topics include experiences of disadvantage and privilege, diversity initiatives, barriers to equity and inclusion, and social action.

Prerequisite(s): Psychology 1000, Psychology 1000W/X, Psychology 1002A/B and Psychology 1003A/B, or Psychology 1010A/B and Psychology 1015A/B and registration in **third or** fourth year of an Honours Specialization or Honours Double Major module.
Extra Information: 3 lecture hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

PSYCHOLOGY 4692E
PRACTICUM
Through supervised placements in selected community/clinical settings, students will be introduced to the integration of psychological knowledge with practical human services practices. Placements hours are typically one full day per week in addition to scheduled seminars throughout the year.

Prerequisite(s): Psychology 2301A/B, Psychology 2840F/G (or Psychology 2801F/G, Psychology 2802F/G, the former Psychology 2800E, the former Psychology 2820E, Psychology 2830A/B, Psychology 2855F/G or Psychology 2856F/G) and registration in fourth year Honours Specialization or Honours Double Major in Psychology**, or Honours Specialization in Applied Psychology,** at King's University College. Registration is by special permission

only and must be obtained from the course instructor in the Spring/Summer before the course begins in the Fall term.
Extra Information: Typically, one day placement per week, 2 seminar hours.
Course Weight: 1.00

Course Revision – Effective September 1, 2024, the following change(s) be made:

PSYCHOLOGY 4993F/G
SPECIAL TOPICS IN PSYCHOLOGY
Selected topics of current interest in Psychology. Topic available in Department.

Prerequisite(s): **Registration in fourth year of an Honours Specialization in Psychology or Honours Specialization in Applied Psychology** ~~Fourth year Honours Specialization Psychology status~~.
Extra Information: 3 seminar hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

PSYCHOLOGY 4994F/G
SPECIAL TOPICS IN PSYCHOLOGY
Selected topics of current interest in Psychology. Topic available in Department.

Prerequisite(s): **Registration in fourth year of an Honours Specialization in Psychology or Honours Specialization in Applied Psychology** ~~Fourth year Honours Specialization Psychology status~~.
Extra Information: 3 seminar hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

PSYCHOLOGY 4995E
SPECIAL TOPICS IN PSYCHOLOGY
Selected topics of current interest in Psychology. Topic available in Department.

Prerequisite(s): **Registration in fourth year of an Honours Specialization in Psychology or Honours Specialization in Applied Psychology** ~~Fourth year Honours Specialization Psychology status~~.
Extra Information: 3 hours.
Course Weight: 1.0

RELIGIOUS STUDIES

Program Revision – Effective September 1, 2024, the following change(s) be made:

HONOURS SPECIALIZATION IN CATHOLIC STUDIES

Admission Requirements
Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses ~~including 0.5 course in Religious Studies~~ with no mark in these principal courses below 60%. Religious Studies 1027E is recommended.

Program Revision – Effective September 1, 2024, the following change(s) be made:

SPECIALIZATION IN CATHOLIC STUDIES

Admission Requirements
Completion of first-year requirements ~~and at least a 0.5 course in Religious Studies with a mark of at least 60%~~. Religious Studies 1027E is recommended.

Program Revision – Effective September 1, 2024, the following change(s) be made:

MAJOR IN CATHOLIC STUDIES

Admission Requirements
Completion of first-year requirements ~~and at least a 0.5 course in Religious Studies with a mark of at least 60%~~. Religious Studies 1027E is recommended.

Program Revision – Effective September 1, 2024, the following change(s) be made:

MINOR IN CATHOLIC STUDIES

Admission Requirements
Completion of first-year requirements, ~~with at least 0.5 course in Religious Studies~~. Religious Studies 1027E is recommended.

Program Revision – Effective September 1, 2024, the following change(s) be made:

HONOURS SPECIALIZATION IN RELIGION AND SOCIETY

Admission Requirements
Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses with no mark in these principal courses below 60%~~, and at least 0.5 course in Religious Studies with a mark of at least 60%~~.

Program Revision – Effective September 1, 2024, the following change(s) be made:

SPECIALIZATION IN RELIGION AND SOCIETY

Admission Requirements
Completion of first-year requirements ~~and at least a 0.5 course in Religious Studies with a mark of at least 60%~~.

Program Revision – Effective September 1, 2024, the following change(s) be made:

MAJOR IN RELIGION AND SOCIETY

Admission Requirements
Completion of first-year requirements ~~and at least a 0.5 course in Religious Studies with a mark of at least 60%~~.

Program Revision – Effective September 1, 2024, the following change(s) be made:

MINOR IN RELIGION AND SOCIETY

Admission Requirements
Completion of first-year requirements ~~and at least a 0.5 course in Religious Studies with a mark of at least 60%~~.

Program Revision – Effective September 1, 2024, the following change(s) be made:

HONOURS SPECIALIZATION IN WORLD RELIGIONS AND CULTURES

Admission Requirements
Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses with no mark in these principal courses below 60%. ~~At least 0.5 course in Religious Studies with a mark of at least 60% (~~Religious Studies 1023E is recommended~~)~~.

Program Revision – Effective September 1, 2024, the following change(s) be made:

SPECIALIZATION IN WORLD RELIGIONS AND CULTURES

Admission Requirements
Completion of first-year requirements ~~with no failures and at least 0.5 course in Religious Studies with a mark of at least 60%~~. Religious Studies 1023E is recommended.

Program Revision – Effective September 1, 2024, the following change(s) be made:

MAJOR IN WORLD RELIGIONS AND CULTURES

Admission Requirements
Completion of first-year requirements ~~with no failures and at least 0.5 course in Religious Studies with a mark of at least 60%~~. Religious Studies 1023E is recommended.

Program Revision – Effective September 1, 2024, the following change(s) be made:

MAJOR IN MIDDLE EAST STUDIES

Admission Requirements
Completion of first-year requirements~~, with a minimum mark of 60% in 3.0 principal courses~~. It is recommended that students in first year take a first-year History course and a language course in one of Arabic, Persian or Hebrew.

Program Revision – Effective September 1, 2024, the following change(s) be made:

MINOR IN ISLAMIC STUDIES

Admission Requirements
Completion of first-year requirements ~~and at least 0.5 course in Religious Studies with a grade of at least 60%~~. Religious Studies 1023E is recommended.

SOCIAL JUSTICE AND PEACE STUDIES

Program Revision – Effective September 1, 2024, the following change(s) be made:

HONOURS SPECIALIZATION IN SOCIAL JUSTICE AND PEACE STUDIES

Module
9.0 courses:

2.0 courses: Social Justice and Peace Studies 2302F/G, Social Justice and Peace Studies 2303F/G, Social Justice and Peace Studies 2304F/G, Social Justice and Peace Studies 2305F/G.
~~2.0~~ **2.5** courses: Social Justice and Peace Studies 2290A/B**, Social Justice and Peace Studies 3400F/G,** Social Justice and Peace Studies 3500E, and Social Justice and Peace Studies 4404F/G.
2.0 courses from: **Social Justice and Peace Studies at the 3000-level or above**
~~Social Justice and Peace Studies 3210F/G, Social Justice and Peace Studies 3211F/G, Social Justice and Peace Studies 3360F/G, Social Justice and Peace Studies 3361F/G, Social Justice and Peace Studies 3362F/G, Social Justice and Peace Studies 3365F/G, Social Justice and Peace Studies 3367F/G, Social Justice and Peace Studies 3370F/G-3378F/G, Social Justice and Peace Studies 3380F/G, Social Justice and Peace Studies 3381F/G, Social Justice and Peace Studies 3383F/G, Social Justice and Peace Studies 3384F/G, Social Justice and Peace Studies 3385F/G, Social Justice and Peace Studies 3451F/G, Social Justice and Peace Studies 4410F/G~~.
~~1.0~~ **0.5** course~~(s)~~ from: ~~Social Justice and Peace Studies 3400F/G,~~ Political Science 3324F/G, Sociology 2206A/B, Social Work 2206A/B, the former Political Science 4422F/G.
2.0 courses from: the Social Justice and Peace Studies Approved List, at least 1.0 of which must be at the 3000-level or above**.**

*Note: It is highly recommended that you take Social Justice and Peace Studies 2304F/G in year two.

Program Revision – Effective September 1, 2024, the following change(s) be made:

SPECIALIZATION IN SOCIAL JUSTICE AND PEACE STUDIES

Module:
9.0 courses:

2.0 courses: Social Justice and Peace Studies 2302F/G, Social Justice and Peace Studies 2303F/G, Social Justice and Peace Studies 2304F/G, Social Justice and Peace Studies 2305F/G.
2.5 courses from: Social Justice and Peace Studies 2290A/B, Social Justice and Peace Studies 3400F/G, Social Justice and Peace Studies 3500E, and Social Justice and Peace Studies 4404F/G.
1.5 courses from: **Social Justice and Peace Studies at the 3000-level or above**
~~Social Justice and Peace Studies 3210F/G, Social Justice and Peace Studies 3211F/G, Social Justice and Peace Studies 3360F/G, Social Justice and Peace Studies 3361F/G, Social Justice and Peace Studies 3362F/G, Social Justice and Peace Studies 3365F/G, Social Justice and Peace Studies 3367F/G, Social Justice and Peace Studies 3370F/G-3378F/G, Social Justice and Peace Studies 3380F/G, Social Justice and Peace Studies 3381F/G, Social Justice and Peace Studies 3383F/G, Social Justice and Peace Studies 3384F/G, Social Justice and Peace Studies 3385F/G, Social Justice and Peace Studies 3451F/G, Social Justice and Peace Studies 4410F/G~~.
3.0 courses from: the Social Justice and Peace Studies Approved List, at least 1.0 of which must be at the 3000-level or above.

*Note: It is highly recommended that you take Social Justice and Peace Studies 2304F/G in year two.

Program Revision – Effective September 1, 2024, the following change(s) be made:

MAJOR IN SOCIAL JUSTICE AND PEACE STUDIES

Module:
6.0 courses:

2.0 courses from: Social Justice and Peace Studies 2302F/G, Social Justice and Peace Studies 2303F/G, Social Justice and Peace Studies 2304F/G, Social Justice and Peace Studies 2305F/G.
2.5 courses: Social Justice and Peace Studies 2290A/B, Social Justice and

Peace Studies 3400F/G, Social Justice and Peace Studies 3500E, and Social Justice and Peace Studies 4404F/G.
1.0 course(s) from: **Social Justice and Peace Studies at the 3000-level or above** ~~Social Justice and Peace Studies 3210F/G, Social Justice and Peace Studies 3211F/G, Social Justice and Peace Studies 3360F/G, Social Justice and Peace Studies 3361F/G, Social Justice and Peace Studies 3362F/G, Social Justice and Peace Studies 3365F/G, Social Justice and Peace Studies 3367F/G, Social Justice and Peace Studies 3370F/G-3378F/G, Social Justice and Peace Studies 3380F/G, Social Justice and Peace Studies 3381F/G, Social Justice and Peace Studies 3383F/G, Social Justice and Peace Studies 3384F/G, Social Justice and Peace Studies 3385F/G, Social Justice and Peace Studies 3451F/G, Social Justice and Peace Studies 4410F/G~~.
0.5 course from the Social Justice and Peace Studies Approved List.

*Note: It is highly recommended that you take Social Justice and Peace Studies 2304F/G in year two.

Program Revision – Effective September 1, 2024, the following change(s) be made:

MINOR IN SOCIAL JUSTICE AND PEACE STUDIES

Module:
4.0 courses:

2.0 courses from: Social Justice and Peace Studies 2302F/G, Social Justice and Peace Studies 2303F/G, Social Justice and Peace Studies 2304F/G, Social Justice and Peace Studies 2305F/G.
2.0 courses from: **Social Justice and Peace Studies at the 2200-level or above** ~~Social Justice and Peace Studies 2230F/G, Social Justice and Peace Studies 2290A/B, Social Justice and Peace Studies 3500E (or the former Social Justice and Peace Studies 3201A/B/Y), or the former Social Justice and Peace Studies 2201F/G/Z, Social Justice and Peace Studies 3210F/G, Social Justice and Peace Studies 3211F/G, Social Justice and Peace Studies 3360F/G, Social Justice and Peace Studies 3361F/G, Social Justice and Peace Studies 3362F/G, Social Justice and Peace Studies 3365F/G, Social Justice and Peace Studies 3367F/G, Social Justice and Peace Studies 3370F/G-3378F/G, Social Justice and Peace Studies 3380F/G, Social Justice and Peace Studies 3381F/G, Social Justice and Peace Studies 3383F/G, Social Justice and Peace Studies 3384F/G, Social Justice and Peace Studies 3385F/G, Social Justice and Peace Studies 3400F/G, Social Justice and Peace Studies 3451F/G~~.

*Note: It is highly recommended that you take Social Justice and Peace Studies 2304F/G in year two.

Social Justice and Peace Studies Department Page Revision – Effective September 1, 2024, the following change(s) be made:

APPROVED LIST OF COURSES

The following courses may be taken to complete requirements for the Social Justice and Peace Studies modules. Students may request permission to substitute other courses not on this list. These requests will be considered on a case by case basis. Students are advised to consult the Program Coordinator when planning their program.

Economics 2124A/B, Economics 2125A/B, ~~Economics 2161F/G~~.
~~Disability Studies 2201F/G, Disability Studies 2202A/B, Disability Studies 2210A/B.~~
English 1028E ~~English 2017, English 2262F/G, English 2601E, English 2730F/G, English 2735F/G, the former English 2310E~~.
GSWS 1020E, GSWS 2200E, ~~GSWS 2257E~~.
~~History 2125F/G, History 2187, History 2201E, History 2301E, History 2501E, History 3218E,~~ **History 3328F/G,** History 3802F/G, **History 4204F/G, History 4861F/G** ~~History 3850F/G, History 3851F/G, History 4805E~~.~~History of Science 2220~~.
Human Rights Studies 2900F/G, Human Rights Studies 2800E, Human Rights Studies 3900F/G, Human Rights Studies 4900F/G.
Philosophy 2208E, **Philosophy 2227F/G, Philosophy 2242F/G,** Philosophy 3885F/G.
~~Political Science 2225E, Political Science 2230E, Political Science 2231E, Political Science 2245E, Political Science 2255F/G, Political Science 2257, Political Science 2270E, Political Science 3302F/G, Political Science 3307F/G, Political Science 3311F/G,~~ Political Science 3312F/G, ~~Political Science 3319F/G, Political Science 3332F/G, Political Science 3342F/G or the former Political Science 4422F/G, Political Science 3345E, Political Science 3357E, Political Science 3369F/G, Political Science 3400F/G, Political Science 4421F/G,~~ Political Science 4439F/G, or the former Political Science 2235E, the former Political Science 3300E, the former Political Science 3309E, the former Political Science 3325E.
~~Psychology 2012F/G,~~ Psychology 3725F/G, Psychology 4303F/G, the former Psychology 3710F/G.
~~Religious Studies 2134A/B, Religious Studies 2166A/B, Religious Studies 2203F/G, Religious Studies 2204F/G, Religious Studies 2281F/G, Religious Studies 2506F/G, Religious Studies 3451F/G,~~ Religious Studies 3452F/G~~, Religious Studies 3453F/G.~~
~~Sociology 2140,~~ Sociology 2145A/B, ~~Sociology 2200E or Sociology 2143E,~~ Sociology 2220A/B, ~~Sociology 2239,~~ Sociology 2256A/B, Sociology 2260A/B, Sociology 2266A/B, Sociology 2267A/B, Sociology 3305F/G, Sociology 3318F/G, ~~Sociology~~

~~3338E,~~ Sociology 3339F/G, Sociology 3340F/G, Sociology 3341F/G, Sociology 3371F/G, the former Sociology 3377F/G.
Any Social Justice and Peace Studies course at the 2000 level or above that is not being used to fulfill another module requirement.
~~Social Work 3308F/G, Social Work 3318A/B, Social Work 3319F/G,~~ Social Work 3344A/B~~, Social Work 4414F/G, Social Work 4481A/B.~~
Thanatology 3322F/G.

~~Approved List courses may only be counted once towards module requirements.~~

Course Revision – Effective September 1, 2024, the following change(s) be made:

SOCIAL JUSTICE AND PEACE STUDIES 3362F/G
ECOFEMINISM
This course investigates the intersections of gender and ecology through an ecofeminist lens. It analyzes the historical and contemporary oppressions of women and nature in systems of patriarchy and maps links between the current climate crisis and gender. Social, economic, development and Indigenous perspectives are also examined.

Prerequisite(s): Social Justice and Peace Studies 1025F/G and Social Justice and Peace Studies 1026F/G, or GSWS 1020E~~; and registration in third or fourth year; or permission of the Program Coordinator~~.
Extra Information: 3 hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

SOCIAL JUSTICE AND PEACE STUDIES 3380F/G
JUSTICE AND ALTERNATIVES TO CAPITALISM ~~JUSTICE AND ALTERNATIVE ECONOMIC SYSTEMS~~
(Short title: Alternatives to Capitalism)
An advanced exploration of the main philosophical debates over what a just and free society should look like. We investigate the strengths and weaknesses of contemporary capitalism, and contrast it with a range of economic alternatives including social democracy, state-socialism, market socialism, universal caregiving, workplace democracy, and basic income.

Antirequisite(s): ~~Social Justice and Peace Studies 3375F/G (if taken in 2014-15).~~
Prerequisite(s): Social Justice and Peace Studies 1025F/G and Social Justice and Peace Studies 1026F/G; or 1.0 course at the 2200 level or above.
Extra Information**:** 3 hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

SOCIAL JUSTICE AND PEACE STUDIES 3384F/G
HOW TO CHANGE THE WORLD: THEORIES AND PRACTICES OF SOCIAL ACTIVISM ~~SOCIAL ACTIVISM AND THEORIES OF POLITICAL CHANGE~~
(Short title: How to Change the World)
This class exposes students to a wide range of perspectives and debates on social activism and political change. We will investigate the major theories of how political change occurs, examine several prominent case studies of how activists have changed their society, and investigate contemporary debates in Canadian activism.

Antirequisite(s): Social Justice and Peace Studies 2301A/B.
Prerequisite(s): Social Justice and Peace Studies 1025F/G and Social Justice and Peace Studies 1026F/G, or permission of the Program Coordinator.
Extra Information: 3 hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

SOCIAL JUSTICE AND PEACE STUDIES 3400F/G
RESEARCH SEMINAR IN SOCIAL JUSTICE AND PEACE
This class introduces students to critical feminist, anti-racist, Indigenous methods to conduct research that promotes social justice, peace building and dispute resolution. Students will engage with qualitative and some quantitative methods effective for research with diverse social groups, and techniques to engage with a range of documentary and media sources.

Prerequisite(s): **Social Justice and Peace Studies 1025F/G and Social Justice and Peace Studies 1026F/G.**
Extra Information: 3 hours.
Course Weight: 0.50

Course Revision – Effective September 1, 2024, the following change(s) be made:

SOCIAL JUSTICE AND PEACE STUDIES 3500E
ENGAGING LOCAL COMMUNITIES FOR SOCIAL JUSTICE ~~COMMUNITY BASED LEARNING~~
(Short title: Engaging Local Communities)
Current social justice theories/concepts applied to an actual justice-oriented service learning project which students will co-design with a partner non-profit organization. Students will develop an understanding of the interrelationship between theory and practice and critically reflect upon their roles in furthering social justice goals through placements, reflections, and discussion.

Antirequisite(s): the former Social Justice and Peace Studies 3201A/B/Y.

Prerequisite(s): Social Justice and Peace Studies 1025F/G and Social Justice and Peace Studies 1026F/G, and Social Justice and Peace Studies 2304F/G; or permission of the Program Coordinator.
Extra Information: 3 hours. This course normally involves 80 hours of community placement.
Course Weight: 1.00