The following proposals, received on DAP between the dates listed below, have been approved.

**DAP Submission Period:** December 16-31, 2020  
**DAP Approval Date:** January 16, 2021

For more information on the DAP process, see the Secretariat’s website.

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**Approval Route:** DAP

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**Faculty of Arts and Humanities**

**MEDIEVAL STUDIES**

**Effective September 1, 2020, the following change(s) be made: Module Revision.**

**MAJOR IN MEDIEVAL STUDIES**

**Module**

6.0 courses:

- **1.0 course** from: Comparative Literature and Culture 2141A/B, English 2076F/G, History 2401E.
- **0.5 course**: Medieval Studies 3022F/G (offered in alternate years).
- **1.0 course**: Latin 2000*.
- **1.5 additional courses** from those listed above not already taken or Medieval Studies 3320F/G, Medieval Studies 4320F/G, or those on a list approved by the Committee for Medieval Studies, available from the program coordinator. Special topics courses are not offered every year; students should check the website for current courses.

Students must take 1.0 courses (including Medieval Studies 3022F/G) at the 3000-level or higher.

*Students who plan to continue to a graduate program in Medieval Studies are strongly encouraged to take Latin 2000.

Note: Some courses in this module may require prerequisites not required for admission; students are advised to check course prerequisites carefully.

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**SCHOOL FOR ADVANCED STUDIES IN THE ARTS AND HUMANITIES**

**Effective September 1, 2021, the following change(s) be made: Module Revision.**
MAJOR IN ARTS AND HUMANITIES

Module
6.0 courses:

2.0 courses: Arts and Humanities 2200E, Arts and Humanities 2220F/G, Arts and Humanities 2230F/G.
0.5 course: Arts and Humanities 3380Y.
1.5 courses from: Arts and Humanities 3390F/G-3393F/G.
2.0 courses from: Arts and Humanities 4410E, Arts and Humanities 4490F/G-4493F/G, Arts and Humanities 4494W/X.

Notes
- 1.0 course is required to fulfill the language requirement for graduation: French 1900E or French 1910 or another non-English language course at the 2000 level or above.
- 1.0 non-Arts and Humanities course may, with permission of the Director of the School for Advanced Studies in the Arts and Humanities, be substituted for 1.0 of the 6.0 courses listed above.
- Students considering this Major should be advised to take a 1000-level language course in their first year if they do not already have a Grade 12U level non-English language.
- This module cannot be taken on its own. It must be completed in conjunction with another Major or Honours Specialization module in an Honours BA degree in the Faculty of Arts and Humanities.

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Faculty of Engineering

CHEMICAL AND BIOCHEMICAL ENGINEERING

*Effective September 1, 2021, the following change(s) be made: Program Revision.*

F. CHEMICAL ENGINEERING AND BIOMEDICAL ENGINEERING

... Second Year Program

Third Year Program

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, CBE 4421A/B, CBE 4497, Engineering Science 3330A/B, Engineering Science 4498F/G, 1.0 BME technical electives, 1.0 CBE technical electives.

Biomedical Sciences Electives (Courses that do not appear on this list require special permission):

**Biomedical Engineering (BME) Technical Electives** (Courses that do not appear on this list require special permission):
CBE 4423A/B, Medical Biophysics 3507G, Medical Biophysics 3645A/B, Medical Biophysics 4475A/B, Medical Biophysics 4535A/B.

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**ELECTRICAL AND COMPUTER ENGINEERING**

*Effective September 1, 2021, the following change(s) be made: Program Revision.*

**H. ELECTRICAL ENGINEERING AND BIOMEDICAL ENGINEERING**

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**Second Year Program**

**Third Year Program**

**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, ECE 4416, ECE 4429A/B, ECE 4437A/B, ECE 4445A/B, Engineering Science 3330A/B, Engineering Science 4498F/G, 1.0 BME Technical Electives, 0.5 ECE Technical Elective.

**Biomedical Sciences Electives** (Courses that do not appear on this list require special permission):

**Biomedical Engineering (BME) Technical Electives** (Courses that do not appear on this list require special permission):
CBE 4421A/B, ECE 4438A/B, Medical Biophysics 3507G, Medical Biophysics 3645A/B, Medical Biophysics 4475A/B, Physics 4662A/B, Physics 4672A/B.

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**Faculty of Science**

**BIOLOGY**

*Effective September 1, 2021, the following change(s) be made: Module Revision.*
HONOURS SPECIALIZATION IN GENETICS AND BIOCHEMISTRY

Module
10.0 courses:

0.5 course: Biochemistry 2280A.
2.0 courses: Biology 2290F/G, Biology 2382A/B, Biology 2581A/B, Biology 3596A/B.
0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B.
1.0 course: Chemistry 2213A/B and Chemistry 2223B.
1.5 courses: Biochemistry 3380G, Biochemistry 3381A, Biochemistry 3382A.
1.0 course from: Biology 3594A/B, Biology 3595A/B, Biology 3597A/B, Biology 3598A/B.
0.5 course from: Biology 3466A/B, Biology 3592A/B, Biology 3593A/B.
1.0 course: Biochemistry 4410A and Biochemistry 4420A.
0.5 course from: Biochemistry 3385B, Biochemistry 3390B, Biochemistry 3392F/G, Biochemistry 4415B, Biochemistry 4450A, the former Biochemistry 4463B, the former Biochemistry 4435B, the former Biochemistry 4445F.

Note:
1. Biochemistry 3381A and Biochemistry 3382A requires a minimum mark of 65% in Biochemistry 2280A, and a minimum mark of 60% in each of Chemistry 2213A/B and Chemistry 2223B.
2. For progression into third year of this module, students must obtain a minimum mark of 70% in each of Biology 2581A/B, and Biology 2290F/G.

CHEMISTRY

Effective September 1, 2021, the following change(s) be made: Module Revision.

HONOURS SPECIALIZATION IN BIOCHEMISTRY AND CHEMISTRY

Module
11.0 courses:

2.5 courses: Biology 2581A/B, Biochemistry 2280A, Biochemistry 3380G, Biochemistry 3381A, Biochemistry 3382A.
1.0 course from: Biochemistry 4410A, Biochemistry 4415B, Biochemistry 4420A, Biochemistry 4425B, Biochemistry 4450A, the former Biochemistry 4463B, the former Biochemistry 4400G, the former Biochemistry 4430B, the former Biochemistry 4435B, the former Biochemistry 4445F, the former Biochemistry 4465A.
1.5 course from: Chemistry 4491E, Biochemistry 4483E.

Faculty of Science/Schulich School of Medicine & Dentistry; including BMSc and Neuroscience

BIOCHEMISTRY

Effective September 1, 2021, the following change(s) be made: Module Revision.
HONOURS SPECIALIZATION IN BIOCHEMISTRY *

Module
9.5 courses:

0.5 course: Biochemistry 2280A with a mark of at least 65%.
0.5 course: Biology 2581A/B.
0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B.
0.5 course from: Chemistry 2213A/B or Chemistry 2273A.
0.5 course from: Chemistry 2223B or Chemistry 2283G.
1.0 course from: Biology 2290F/G, Biology 2382A/B, Chemistry 2211A/B, Chemistry 2214A/B, Chemistry 2374A, Chemistry 2384B.
1.5 courses: Biochemistry 3380G, Biochemistry 3381A and Biochemistry 3382A with marks of at least 70% in each.
0.5 course: Biochemistry 3390B.
2.0 courses: Biochemistry 4410A, Biochemistry 4415B, Biochemistry 4420A and Biochemistry 4425B.
0.5 course from: Biochemistry 3385B, Biochemistry 3392F/G, Biochemistry 4450A, Biochemistry 4455G, the former Biochemistry 4463B, the former Biochemistry 4400G, the former Biochemistry 4430B, the former Biochemistry 4435B, the former Biochemistry 4445F, the former Biochemistry 4465A.
1.5 courses: Biochemistry 4483E (Research Project = 1.5 courses).

Notes:
1. For the specific courses that must be completed before Year 4, see the Weighted Average Chart (MODULES OFFERED IN THE BMSc PROGRAM).
2. It is recommended that students include at least one of Biology 2290F/G, Chemistry 2214A/B or Chemistry 2374A in the module.

Effective September 1, 2021, the following change(s) be made: Module Revision.

HONOURS SPECIALIZATION IN BIOCHEMISTRY AND CELL BIOLOGY*

Module
10.5 courses:

0.5 course: Biochemistry 2280A with a mark of at least 65%.
0.5 course from: Chemistry 2213A/B or Chemistry 2273A.
0.5 course from: Chemistry 2223B or Chemistry 2283G.
0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B.
1.5 courses: Biology 2290F/G, Biology 2382A/B, Biology 2581A/B.
0.5 course: Biochemistry 3380G.
1.0 course: Biochemistry 3381A and Biochemistry 3382A with marks of at least 70% in each.
0.5 course from: Biology 3316A/B, Physiology 3140A with a mark of at least 70%.
0.5 course from: Biochemistry 3390B, Biology 3326F/G.
1.5 courses: Anatomy and Cell Biology 3309, Anatomy and Cell Biology 3329A/B or the former Anatomy and Cell Biology 4429A.
1.0 course: Biochemistry 4410A, Biochemistry 4420A.
0.5 course from: Biochemistry 4415B or Biochemistry 4425B.
1.5 courses from: Biochemistry 4483E or Anatomy and Cell Biology 4480E (Research project = 1.5 courses).

Notes:
1. For the specific courses that must be completed before Year 4, see the Weighted Average Chart (MODULES OFFERED IN THE BMSc PROGRAM).
2. The prerequisite for Anatomy and Cell Biology 4480E includes a mark of at least 70% in either one of Biochemistry 3380G, Biochemistry 3390B or Biology 3326F/G. The
prerequisite for Biochemistry 4483E includes a mark of at least 70% in Biochemistry 3380G.

**Effective September 1, 2021, the following change(s) be made: Module Revision.**

**HONOURS SPECIALIZATION IN BIOCHEMISTRY AND PATHOLOGY OF HUMAN DISEASE***

**Module**

10.5 courses:

- **0.5 course**: Biochemistry 2280A with a mark of at least 65%.
- **1.0 course**: Biology 2382A/B, Biology 2581A/B.
- **0.5 course** from: Chemistry 2213A/B or Chemistry 2273A.
- **0.5 course** from: Chemistry 2223B or Chemistry 2283G.
- **0.5 course** from: Biology 2290F/G, Chemistry 2211A/B, Chemistry 2214A/B, Chemistry 2374A, Chemistry 2384B, Microbiology and Immunology 2500A/B, **Biochemistry 3390B**.
- **0.5 course** from: Biology 2244A/B or Statistical Sciences 2244A/B.
- **1.0 course**: Pathology 3500 with a mark of at least 70% or the former Pathology 3240A and the former Pathology 3245B with a mark of at least 70% in each.
- **1.5 courses**: Biochemistry 3381A, Biochemistry 3382A and Biochemistry 3380G, with marks of at least 70% in each.
- **2.0 courses**: Biochemistry 3385A/B, Biochemistry 3386B, Biochemistry 4410A, Biochemistry 4420A.
- **0.5 course** from: Biochemistry 4450A, **Pathology 4450A, the former** Biochemistry 4463B.
- **0.5 course** from: Pathology 4200A/B, Pathology 4400A/B.
- **1.5 courses** from: Biochemistry 4483E or Pathology 4980E (Research Project = 1.5 courses).

**Notes:**
1. For the specific courses that must be completed before Year 4, see the Weighted Average Chart (MODULES OFFERED IN THE BMSc PROGRAM).
2. A course in Physiology (e.g. Physiology 2130 or Physiology 3120) is recommended.

**Effective September 1, 2021, the following change(s) be made: Module Revision.**

**HONOURS SPECIALIZATION IN BIOCHEMISTRY OF INFECTION AND IMMUNITY***

**Module**

10.0 10.5 courses:

- **0.5 course**: Biochemistry 2280A with a mark of at least 65%.
- **0.5 course** from: Chemistry 2213A/B or Chemistry 2273A.
- **0.5 course** from: Chemistry 2223B or Chemistry 2283G.
- **1.5 courses**: Biology 2290F/G, Biology 2382A/B, Biology 2581A/B.
- **0.5 course** from: Biology 2244A/B or Statistical Sciences 2244A/B.
- **1.5 courses**: Microbiology and Immunology 2500A/B, Microbiology and Immunology 3100A and Microbiology and Immunology 3300B, with marks of at least 70% in each.
- **1.0 course**: Biochemistry 3381A and Biochemistry 3382A with marks of at least 70% in each.
- **0.5 course** from: Microbiology and Immunology 3380G, Microbiology and Immunology 3610F, Microbiology and Immunology 3620G with a mark of at least 70%.
- **0.5 course**: Biochemistry 3390B.
- **1.0 course** from: Microbiology and Immunology 4100A, Microbiology and Immunology 4200B, Microbiology and Immunology 4300A, the former Microbiology and Immunology 4700B.
- **1.0 course**: Biochemistry 4410A, Biochemistry 4420A.
- **1.5 courses** from: Biochemistry 4483E (Research Project = 1.5 courses) or Microbiology and Immunology 4970E (Research Project = 1.5 courses)
Note: For the specific courses that must be completed before Year 4, see the Weighted Average Chart (MODULES OFFERED IN THE BMSc PROGRAM).

Effective September 1, 2021, the following change(s) be made: Module Revision.

HONOURS SPECIALIZATION IN COMPUTATIONAL BIOCHEMISTRY*

Module
10.5 courses:

0.5 course from: Computer Science 1025A/B or Computer Science 1026A/B.
0.5 course: Computer Science 1027A/B.
0.5 course: Biochemistry 2280A with a mark of at least 65%.
0.5 course: Biology 2581A/B.
0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B.
0.5 course from: Chemistry 2213A/B or Chemistry 2273A.
0.5 course from: Chemistry 2223B or Chemistry 2283G.
1.0 course: Computer Science 2210A/B, Computer Science 2211A/B.
1.5 courses: Biochemistry 3381A and Biochemistry 3382A, Biochemistry 3383F/G with marks of at least 70% in each.
0.5 course: Biochemistry 3390B.
0.5 course from: Medical Health Informatics 4850G, Microbiology and Immunology 4750F/G (see notes).
1.0 course: Biochemistry 4410A, Biochemistry 4420A.
1.0 course from: Biochemistry 4415B, Biochemistry 4425B, the former Biochemistry 4400G, the former Biochemistry 4430B, the former Biochemistry 4435B, the former Biochemistry 4445F, the former Biochemistry 4465A.
1.5 courses: Biochemistry 4483E (Research Project = 1.5 courses).

Notes:
1. For the specific courses that must be completed before Year 4, see the Weighted Average Chart (MODULES OFFERED IN THE BMSc PROGRAM).
2. Microbiology and Immunology 4750F/G can be taken in either Year 3 or Year 4.

Effective September 1, 2021, the following change(s) be made: Module Revision.

MAJOR IN BIOCHEMISTRY

Module
6.0 courses:

0.5 course: Biochemistry 2280A with a mark of at least 65%.
0.5 course from: Chemistry 2213A/B or Chemistry 2273A with a mark of at least 60% in the course taken.
0.5 course from: Chemistry 2223B or Chemistry 2283G with a mark of at least 60% in the course taken.
0.5 course: Biology 2581A/B.
0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B.
2.5 courses: Biochemistry 3380G, Biochemistry 3381A, Biochemistry 3382A, Biochemistry 4410A, Biochemistry 4420A.
1.0 course from: Biochemistry 3385AB, Biochemistry 3386B, Biochemistry 3390B, Biochemistry 3392F/G, Biochemistry 4415B, Biochemistry 4425B, Biochemistry 4450A, Biochemistry 4455G, Biochemistry 4463B, or the former Biochemistry 4400G, the former Biochemistry 4430B, the former Biochemistry 4435B, the former Biochemistry 4445F, the former Biochemistry 4465A.

Note: BSc and BMSc students completing the Major in Biochemistry in addition to another module must adhere to the Common Course Policy if the same courses at the 2000- to
Effective September 1, 2021, the following change(s) be made: Module Revision.

MINOR IN BIOCHEMISTRY

Module
4.0 courses:

0.5 course from: Chemistry 2213A/B or Chemistry 2273A.
0.5 course from: Chemistry 2223B or Chemistry 2283G.
1.5 courses: Biochemistry 2280A, Biochemistry 3381A and Biochemistry 3382A.
1.5 courses from: Biochemistry 3380G, Biochemistry 3385A/B, Biochemistry 3386B, Biochemistry 3390B, Biochemistry 3392F/G, Biochemistry 4410A, Biochemistry 4415B, Biochemistry 4420A, Biochemistry 4425B, Biochemistry 4450A, the former Biochemistry 4463B, the former Biochemistry 3387G, the former Biochemistry 4400G, the former Biochemistry 4430B, the former Biochemistry 4435B, the former Biochemistry 4445F, the former Biochemistry 4465A.

Note:
Enrolment in Biochemistry 3381A requires a minimum mark of 65% in Biochemistry 2280A; and a minimum mark of 60% in either Chemistry 2213A/B or Chemistry 2273A; and a minimum mark of 60% in either Chemistry 2223B or Chemistry 2283G.

Effective September 1, 2021, the following change(s) be made: Program Revision.

HONOURS BMSc BIOCHEMISTRY/HBA

... Years 4 and 5: HBA2 requirements
HBA2 Requirements can be taken over Years 4 or 5 - except Business Administration 4569 must be taken in Year 4.

2.5 courses:
- International Perspective Requirement: Business Administration 4505A/B (0.5 course).
- Corporations and Society Perspectives 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.
- Managerial Accounting Requirement: Business Administration 4624A/B (0.5 course).
- Applied Project Requirement: Business Administration 4569 (1.0 course).

3.0 additional business elective courses.

Years 4 and 5: BMSc requirements for the Honours Specialization in Biochemistry

Year 4
1.5 courses: Biochemistry 3380G, Biochemistry 3381A and Biochemistry 3382A with marks of at least 70% in each.
0.5 course: Biochemistry 3390B.

Year 5
2.0 courses: Biochemistry 4410A, Biochemistry 4415B, Biochemistry 4420A, Biochemistry 4425B.
0.5 course from: Biochemistry 4450A, the former Biochemistry 4463B.
1.5 courses: Biochemistry 4483E (Research Project = 1.5 courses).

Note: the breadth requirement of a BMSc degree must be satisfied, i.e. 1.0 course from Category B must be completed prior to graduation. See GRADUATION REQUIREMENTS FOR HONOURS BACHELOR DEGREES.

INTERDISCIPLINARY MEDICAL SCIENCES (IMS)

Effective September 1, 2021, the following change(s) be made: Module Revision.

HONOURS SPECIALIZATION IN INTERDISCIPLINARY MEDICAL SCIENCES (IMS)

Module
10.0 courses:

0.5 course: Biochemistry 2280A.

1.5 courses: Biology 2290F/G, Biology 2382A/B, Biology 2581A/B.

0.5 course: Chemistry 2213A/B.

0.5 course from: Chemistry numbered 2100-3999 or 0.5 course from Group 1 or 2 - see Note #1.

0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B.

2.0 courses from Group 1 – see Note #2.

1.0 course from: Group 1 or (0.5 from Group 1 and 0.5 from Group 2) – see Note #2.

0.5 course from: Group 3 or Physiology and Pharmacology 3000E. See Note #3.

1.0 course: Medical Sciences 4900F/G/Z, Medical Sciences 4930F/G/Z.

2.0 additional courses at the 4000-level from at least two of the following subject areas: Anatomy and Cell Biology, Biochemistry, Biostatistics, Epidemiology, Medical Biophysics, Medical Sciences, Microbiology and Immunology, Pathology, Pharmacology, Physiology. Note: a maximum of 1.5 of these 4000-level courses can be selected from one subject area.

Group 1: Anatomy and Cell Biology 2200A/B, Anatomy and Cell Biology 3309, Biochemistry 3381A, Biochemistry 3382A, Biostatistics 3100A, Biostatistics 3110B, Epidemiology 2200A/B, Epidemiology 3200A, Medical Biophysics 3330F/G, Medical Biophysics 3336F/G, Medical Biophysics 3501A, Medical Biophysics 3503G, Medical Biophysics 3505F, Medical Biophysics 3507G, Microbiology and Immunology 2500A/B, Microbiology and Immunology 3100A, Microbiology and Immunology 3300B, Pathology 3500, Pharmacology 3620, Physiology 3120, Physiology 3140A, any of the former courses: the former Epidemiology and Biostatistics 2200A/B, the former Pathology 3240A, the former Pathology 3245B.


Group 3: Biochemistry 3380G, Medical Biophysics 3970Z, Medical Sciences 3900F/G/Z, Microbiology and Immunology 3610F, Microbiology and Immunology 3620G, Physiology and Pharmacology 3000E, one of the former Pharmacology 3580Z or the former Physiology 3130Z.

Effective September 1, 2021, the following change(s) be made: Module Revision.
MAJOR IN INTERDISCIPLINARY MEDICAL SCIENCES (IMS)

Module
6.0 courses:

0.5 course: Biochemistry 2280A.
0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B.
0.5 course: Biology 2290F/G.
0.5 course from: Biology 2382A/B, Biology 2581A/B.
0.5 course: Chemistry 2213A/B.
2.5 courses from: Groups 1 and 2 (see below) with a minimum of 1.5 courses selected from Group 1 (see Note #1 below).
0.5 course: Medical Sciences 4931F/G.
0.5 course at the 4000-level from any of the following subject areas: Anatomy and Cell Biology, Biochemistry, Biostatistics, Epidemiology, Medical Biophysics, Medical Sciences, Microbiology and Immunology, Pathology, Pharmacology, Physiology.

Group 1: Anatomy and Cell Biology 2200A/B, Anatomy and Cell Biology 3309, Biochemistry 3381A, Biochemistry 3382A, Biostatistics 3100A, Biostatistics 3110B, Epidemiology 2200A/B, Epidemiology 3200A, Medical Biophysics 3330F/G, Medical Biophysics 3336F/G, Medical Biophysics 3501A, Medical Biophysics 3503G, Medical Biophysics 3505F, Medical Biophysics 3507G, Microbiology and Immunology 2500A/B, Microbiology and Immunology 3100A, Microbiology and Immunology 3300B, Pathology 3500, Pharmacology 3620, Physiology 3120, Physiology 3140A, or any of these former courses: the former Epidemiology and Biostatistics 2200A/B, the former Pathology 3240A, the former Pathology 3245B.


Effective September 1, 2021, the following change(s) be made: Module Revision.

SPECIALIZATION IN INTERDISCIPLINARY MEDICAL SCIENCES (IMS)

Module
9.5 courses:

0.5 course: Biochemistry 2280A.
1.5 courses: Biology 2290F/G, Biology 2382A/B, Biology 2581A/B.
0.5 course: Chemistry 2213A/B.
0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B.
0.5 course from: Chemistry numbered 2100-3999 or 0.5 course from Group 1 or 2 - see Note #1.
2.0 courses from Group 1 – see Note #2.
1.0 course from: Group 1 or (0.5 from Group 1 and 0.5 from Group 2) – see Note #2.
0.5 course from: Group 3 or Physiology and Pharmacology 3000E. See Note #3.
0.5 course: Medical Sciences 4931F/G.
2.0 additional courses at the 4000-level from at least two of the following subject areas: Anatomy and Cell Biology, Biochemistry, Biostatistics, Epidemiology, Medical Biophysics, Medical Sciences, Microbiology and Immunology, Pathology, Pharmacology, Physiology. Note: a maximum of 1.5 of these 4000-level courses can be selected from one subject area.

Group 1: Anatomy and Cell Biology 2200A/B, Anatomy and Cell Biology 3309, Biochemistry 3381A, Biochemistry 3382A, Biostatistics 3100A, Biostatistics 3110B, Epidemiology 2200A/B, Epidemiology 3200A, Medical Biophysics 3330F/G, Medical Biophysics
Biophysics 3336F/G, Medical Biophysics 3501A, Medical Biophysics 3503G, Medical Biophysics 3505F, Medical Biophysics 3507G, Microbiology and Immunology 2500A/B, Microbiology and Immunology 3100A, Microbiology and Immunology 3300B, Pathology 3500, Pharmacology 3620, Physiology 3120, Physiology 3140A, any of the former courses: the former Epidemiology and Biostatistics 2200A/B, the former Pathology 3240A, the former Pathology 3245B.

Group 2 (see Note #4 below): Anatomy and Cell Biology 3200A/B, Biochemistry 3385AB, Biochemistry 3386B, Biochemistry 3390B, Epidemiology 3210B, Epidemiology 3315B, Epidemiology 3330F/G, Microbiology and Immunology 3500B, Pharmacology 2060A/B, the former Anatomy and Cell Biology 3319.

Group 3: Biochemistry 3380G, Medical Biophysics 3970Z, Medical Sciences 3900F/G/Z, Microbiology and Immunology 3610F, Microbiology and Immunology 3620G, Physiology and Pharmacology 3000E, one of the former Pharmacology 3580Z, the former Physiology 3130Z.

Effective September 1, 2021, the following change(s) be made: Program Revision.

HONOURS BMSc INTERDISCIPLINARY MEDICAL SCIENCES/HBA

... 

Years 4 and 5: BMSc requirements for the Honours Specialization in Interdisciplinary Medical Sciences (IMS)

Year 4

2.0 courses from Group 1 – see Note 1.
1.0 course from: Group 1 or (0.5 from Group 1 and 0.5 from Group 2) – see Note 1.
0.5 course from: Group 3 or Physiology and Pharmacology 3000E. See Note 2.
0.5 course from: Chemistry numbered 2100-3999 or 0.5 course from Group 1 or 2 - see Note 3.

A maximum of 0.5 course from either Chemistry numbered 2100-3999 or Groups 1-3 that is completed prior to admission to the combined program course may be used toward the Year 4 BMSc (IMS) requirements. Any additional course(s) completed prior to admission to the combined program may be used toward the Year 4 BMSc (IMS) requirements only if an additional optional course(s) is completed. A maximum of 0.5 of the courses listed in the Year 4 BMSc (IMS) requirements may be deferred until Year 5.

Group 1: Anatomy and Cell Biology 2200A/B, Anatomy and Cell Biology 3309, Biochemistry 3381A, Biochemistry 3382A, Biostatistics 3100A, Biostatistics 3110B, Epidemiology 2200A/B, Epidemiology 3200A, Medical Biophysics 3330F/G, Medical Biophysics 3336F/G, Medical Biophysics 3501A, Medical Biophysics 3503G, Medical Biophysics 3505F, Medical Biophysics 3507G, Microbiology and Immunology 2500A/B, Microbiology and Immunology 3100A, Microbiology and Immunology 3300B, Pathology 3500, Pharmacology 3620, Physiology 3120, Physiology 3140A, any of the former courses: the former Epidemiology and Biostatistics 2200A/B, the former Pathology 3240A, the former Pathology 3245B.


Group 3: Biochemistry 3380G, Medical Biophysics 3970Z, Medical Sciences 3900F/G/Z, Microbiology and Immunology 3610F, Microbiology and Immunology 3620G, Physiology and Pharmacology 3000E, one of the former Pharmacology 3580Z, the former Physiology 3130Z.

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MEDICAL HEALTH INFORMATICS

Effective September 1, 2021, the following change(s) be made: Module Revision.

HONOURS SPECIALIZATION IN MEDICAL HEALTH INFORMATICS

Module
11.0 courses:

0.5 course: Biochemistry 2280A.
1.0 course from: Biology 2290F/G, Biology 2382A/B, Biology 2581A/B.
0.5 course: Chemistry 2213A/B.
0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B.
1.0 course: Pathology 3500, or the former Pathology 3240A and the former Pathology 3245B.
1.0 course: Computer Science 2120A/B, Computer Science 2121A/B.
1.0 course: Computer Science 3120A/B, Computer Science 3121A/B.
1.0 course from: Computer Science 4411A/B, Computer Science 4414A/B, Computer Science 4416A/B, Computer Science 4417A/B, Computer Science 4418A/B, Computer Science 4442A/B, the former Computer Science 4412A/B, the former Computer Science 4415A/B.
1.0 course: Physiology 3120.
1.0 course from: Anatomy and Cell Biology 2200A/B, Anatomy and Cell Biology 3309, Biochemistry 3381A, Biochemistry 3382A, Biostatistics 3100A, Biostatistics 3110B, Epidemiology 2200A/B, Epidemiology 3200A, Medical Biophysics 3303F/G, Medical Biophysics 3503G, Microbiology and Immunology 2500A/B, Microbiology and Immunology 4750F/G, Pharmacology 3620, the former Anatomy and Cell Biology 3319.
1.0 course: Medical Health Informatics 4100F, Medical Health Informatics 4110G.
1.5 courses: Medical Health Informatics 4980E (Research Project = 1.5 courses).

MEDICAL SCIENCES

Effective September 1, 2021, the following change(s) be made: Module Revision.

MAJOR IN MEDICAL SCIENCES

Module
6.0 courses:

0.5 course: Biochemistry 2280A.
0.5 course from: Chemistry 2213A/B or Chemistry 2273A.
0.5 course from: Biology 2244A/B or Statistical Sciences 2244A/B.
1.0 course from: Biology 2290F/G, Biology 2382A/B, Biology 2581A/B.
3.0 courses from: Groups 1 and 2 with a minimum of 1.0 course selected from Group 1. A maximum of 2.0 courses from one subject area (e.g. a maximum of 2.0 courses in Biochemistry) can be used towards this Group requirement.
0.5 course from: Chemistry numbered 2100-3999 or an additional 0.5 course from Group 1 or 2.

Group 1: Anatomy and Cell Biology 2200A/B, Anatomy and Cell Biology 3309, Biochemistry 3381A, Biochemistry 3382A, Biostatistics 3100A, Biostatistics 3110B, Epidemiology 2200A/B, Epidemiology 3200A, Medical Biophysics 3303F/G, Medical Biophysics 3336F/G, Medical Biophysics 3501A, Medical Biophysics 3503G, Medical Biophysics 3505F, Medical Biophysics 3507G, Microbiology and Immunology 2500A/B, Microbiology and Immunology 3100A, Microbiology and Immunology 3300B, Pathology 3500, Pharmacology 3620, Physiology 3120, Physiology 3140A, or any of these former courses: the former Epidemiology and Biostatistics 2200A/B, the former Pathology 3240A,

**Effective September 1, 2021, the following change(s) be made: Module Revision.**

**MINOR IN MEDICAL SCIENCES**

**Module**
4.0 courses:

- **0.5 course**: Biochemistry 2280A.
- **0.5 course**: Chemistry 2213A/B.
- **1.0 course** from: Biology 2290F/G, Biology 2382A/B, Biology 2581A/B.
- **2.0 courses** from: Groups 1 and 2 (see below), with at least 1.0 course selected from Group 1 and no more than 1.5 courses from one subject area.

**Group 1**: Anatomy and Cell Biology 2200A/B, Anatomy and Cell Biology 3309, Biochemistry 3381A, Biochemistry 3382A, Biostatistics 3100A, Biostatistics 3110B, Epidemiology 2200A/B, Epidemiology 3200A, Medical Biophysics 3330F/G, Medical Biophysics 3336F/G, Medical Biophysics 3501A, Medical Biophysics 3503G, Medical Biophysics 3505F, Medical Biophysics 3507G, Microbiology and Immunology 2500A/B, Microbiology and Immunology 3100A, Microbiology and Immunology 3300B, Pathology 3500, Pharmacology 3620, Physiology 3120, Physiology 3140A, the former Pathology 3240A, the former Pathology 3245B.


**MICROBIOLOGY AND IMMUNOLOGY**

**Effective September 1, 2021, the following change(s) be made: Module Revision.**

**MINOR IN MICROBIOLOGY AND IMMUNOLOGY**

**Module**
4.0 courses:

- **0.5 course**: Chemistry 2213A/B.
- **0.5 course**: Biochemistry 2280A.
- **1.0 course**: Biology 2382A/B, Biology 2581A/B.
- **1.5 courses**: Microbiology and Immunology 2500A/B, Microbiology and Immunology 3100A, Microbiology and Immunology 3300B.
- **0.5 course** from: Biochemistry 3381A, Biochemistry 3385A/B, Biology 2290F/G, Biology 3218F/G, Biology 3355A/B, Biology 3592A/B, Biology 3595A/B, Chemistry 2223B, Epidemiology 2200A/B, Health Sciences 2000A/B, Microbiology and Immunology 3500B, Microbiology and Immunology 3610F, Microbiology and Immunology 3620G, Pathology 3500 (see note), Pharmacology 2060A/B, the former Biology 3332A/B, the former Pathology 3240A.

**Note**: If students take Pathology 3500, then the module becomes 4.5 courses.
Faculty of Social Science

DAN MANAGEMENT & ORGANIZATIONAL STUDIES

Effective September 1, 2021, the following change(s) be made: Revisions to the Notes.

HONOURS SPECIALIZATION IN FINANCE

Module
10.5 courses:

3.0 courses normally taken in second year: Business Administration 2257; Economics 2222A/B*, Economics 2223A/B*, Economics 2260A/B*, Economics 2261A/B*.
0.5 course normally taken in second or third year: MOS 2310A/B**
1.5 courses normally taken in third year from: MOS 2181A/B, MOS 2275A/B, MOS 2320A/B**, MOS 3330A/B
1.0 course normally taken in third year from: MOS 3360A/B, MOS 3370A/B.
1.5 courses normally taken in third year: Actuarial Science 2053; Economics 2220A/B.
0.5 course normally taken in third year from: MOS 3360A/B, MOS 3370A/B.
0.5 course from: Anthropology 2262F/G, Anthropology 2272F/G, Anthropology 2280F/G; English 2018A/B, English 2019A/B; Geography 2143A/B, Geography 2144A/B; History 2120A/B, History 2171A/B, History 2183A/B, History 2807F/G; MOS 2277A/B, MOS 3367A/B; Philosophy 2074F/G, Philosophy 2730F/G; Psychology 2030A/B, Psychology 2035A/B, Psychology 2070A/B; Sociology 2166A/B, Sociology 2172A/B, Sociology 3308F/G, the former Geography 3422A/B.
0.5 course: MOS 4410A/B.

Notes:
*Students who have completed Economics 2150A/B, Economics 2151A/B and Economics 2152A/B with no mark less than 75%, and who have taken Calculus 1000A/B with a mark of at least 60%, may enter the Honours Specialization in Finance and be exempt from taking Economics 2220A/B, Economics 2260A/B and Economics 2261A/B. Students who have completed these requirements and have also completed Economics 2122A/B and Economics 2123A/B with no mark less than 75%, may also be exempt from taking Economics 2222A/B and Economics 2223A/B. Students planning to enter the Honours Specialization in Finance who have already taken Statistical Sciences 2035 must have completed Statistical Sciences 2035 with a minimum grade of 70%, and will be required to take either Economics 2123A/B or Economics 2223A/B.

** Students interested in pursuing an HBA Degree at the Richard Ivey School of Business must defer MOS 2310A/B and MOS 2320A/B until Year 3. These two courses will not count towards the 10.0 credits required for admission to the HBA Program and are discouraged for those students continuing on to the Richard Ivey School of Business. Students continuing in MOS must complete MOS 2310A/B and MOS 2320A/B in Year 3 prior to enrolling in MOS courses for which these courses are the prerequisite.

Effective September 1, 2021, the following change(s) be made: Revision to the Notes.

SPECIALIZATION IN FINANCE

Module
10.0 courses:

2.0 courses normally taken in second year: Business Administration 2257; Economics
2150A/B*, Economics 2152A/B*.
**0.5 course** normally taken in second or third year: MOS 2310A/B**

1.0 course normally taken in second year from: MOS 2242A/B and 0.5 MOS 2000-level or above; Economics 2122A/B* and Economics 2123A/B*; Statistical Sciences 2035.

1.5 courses normally taken in third year from: MOS 2181A/B, MOS 2275A/B, MOS 2320A/B**, MOS 3330A/B.

1.0 courses normally taken in third year from: MOS 3311A/B, MOS 3313A/B.


**0.5 course** normally taken in fourth year from: MOS 4312A/B, MOS 4313A/B, MOS 4314F/G, Economics 2155A/B, Economics 2156A/B, Economics 2162A/B


**0.5 course**: MOS 4410A/B.

Notes:
*S*Students who have completed Economics 2150A/B, Economics 2151A/B and Economics 2152A/B with no mark less than 75%, and who have taken Calculus 1000A/B with a mark of at least 60%, may enter the Honours Specialization in Finance and be exempt from taking Economics 2220A/B, Economics 2260A/B and Economics 2261A/B. Students who have completed these requirements and have also completed Economics 2222A/B and Economics 2122A/B and Economics 2123A/B with no mark less than 75% may also be exempt from taking Economics 2222A/B and Economics 2223A/B. Students planning to enter the Honours Specialization in Finance who have already taken Statistical Sciences 2035 must have completed Statistical Sciences 2035 with a minimum grade of 70%; and will be required to take either Economics 2123A/B or Economics 2223A/B.

**Students interested in pursuing an HBA Degree at the Richard Ivey School of Business must defer MOS 2310A/B and MOS 2320A/B until Year 3. These two courses will not count towards the 10.0 credits required for admission to the HBA Program and are discouraged for those students continuing on to the Richard Ivey School of Business. Students continuing in MOS must complete MOS 2310A/B and MOS 2320A/B in Year 3 prior to enrolling in MOS courses for which these courses are the prerequisite.

GEORGRAPHY AND ENVIRONMENT

Effective September 1, 2021, the following change(s) be made: Module Revision.

MAJOR IN ENVIRONMENT AND HEALTH

Module
6.0 courses:

2.0 courses: Geography 2411F/G, Geography 2430A/B, Geography 3431A/B, Geography 3432A/B.

1.0 course from: Geography 2210A/B, Geography 2220A/B, Geography 2230A/B,
Geography 2240A/B, Geography 3250A/B.

**0.5 course** from: Geography 2152F/G, Geography 2153A/B, Geography 2156A/B, Geography 2160A/B, Geography 2162A/B, Geography 2410A/B, Geography 2420A/B, Geography 2460F/G, Sociology 2180A/B, Psychology 2036A/B.

**0.5 course** from: Geography 2131A/B, Geography 2133A/B, Geography 2310A/B, Geography 2320A/B, Geography 2330A/B.

**1.0 course** from: Geography 3441F/G, Geography 3443F/G, Geography 3445F/G, Geography 3446F/G, Geography 3461F/G, Geography 3462F/G, Geography 3463F/G, Anthropology 3341F/G.

**1.0 course** in Geography at the 3000 level or above

Notes:
1. Combination with a Major module in Science or Basic Medical Sciences may allow graduation with a Four-Year BSc.
2. To qualify for a Four-Year BSc degree, 11.0 Science and/or Science equivalent courses are required.
3. When taken within this module, the following Geography courses count toward the requirement of 11.0 Science courses in a Four-Year BSc: Geography 2131A/B, Geography 2133A/B, Geography 2210A/B, Geography 2220A/B, Geography 2230A/B, Geography 2240A/B, Geography 2310A/B, Geography 2320A/B, Geography 2330A/B, Geography 3210A/B, Geography 3211A/B, Geography 3222A/B, Geography 3223A/B, Geography 3224A/B, Geography 3231A/B, Geography 3311A/B, Geography 3334A/B, Geography 3341A/B, Geography 3342A/B, Geography 3350A/B, Geography 3352A/B, Geography 4901E.

This module may NOT be combined with any other Geography module.

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**Brescia University College**

**SCHOOL OF BEHAVIOURAL AND SOCIAL SCIENCES**

*Effective September 1, 2021, the following change(s) be made: Module Revision.*

**MAJOR IN COMMUNITY DEVELOPMENT**

Module

6.0 courses:

**3.0 courses**: Sociology 2215A/B, Sociology 3330F/G, Sociology 3331F/G, Sociology 3333F/G or Sociology 3335A/B, Sociology 3334A/B; Sociology 3307F/G or Sociology 3322A/B. Note that Sociology 2206A/B is strongly recommended if the Sociology 3307F/G option is taken.

**3.0 courses** from: Family Studies and Human Development 2220A/B or the former Family Studies 2220A/B, Indigenous Studies 2531F/G; History 2123 or History 2211E; Political Science 2130 or Political Science 2230E; Psychology 2041, Psychology 2060, the former Psychology 2712F/G, or MOS 2180; Religious Studies 2150, Religious Studies 2222F/G; Sociology 2143E, Sociology 2144A/B, Sociology 2173A/B, Sociology 2239, Sociology 2266A/B, Sociology 2267A/B, Sociology 3332A/B, Sociology 3341F/G, Sociology 3360F/G, Sociology 3380F/G, the former Sociology 2178A/B, the former Sociology 2237 and "Special Topics" Courses in Sociology with permission of the Chair.

**SCHOOL OF LEADERSHIP AND SOCIAL CHANGE**

*Effective September 1, 2021, the following change(s) be made: Module Revision.*
MAJOR IN CONSUMER BEHAVIOR (must be part of a double Major)

Module
7.0 senior courses:

3.5 courses: Business Administration 2257, MOS 2181A/B, MOS 3320A/B, MOS 3330A/B, MOS 3370A/B, MOS 4410A/B.
0.5 course from: MOS 2242A/B; Psychology 2850A/B, Sociology 2205A/B.
2.5 courses: MOS 3321F/G, MOS 3322F/G, MOS 3470F/G, MOS 4411A/B, MOS 4415A/B.
0.5 course from: Any MOS course level 2000 or higher with appropriate prerequisite, Philosophy 2074F/G, Leadership Studies 2233A/B, Leadership Studies 3333A/B, Political Science 2236E, Political Science 2246E, Psychology 2720A/B, Psychology 3170F/G, Psychology 3721F/G; Sociology 2172A/B, Sociology 3314F/G, the former Dimensions of Leadership 2233A/B, the former Dimensions of Leadership 3333A/B, the former Psychology 3170F/G.

Effective September 1, 2021, the following change(s) be made: Module Revision.

SPECIALIZATION IN CONSUMER BEHAVIOR

Module
10.0 courses:

3.5 courses: Business Administration 2257, MOS 2181A/B, MOS 3320A/B, MOS 3330A/B, MOS 3370A/B, MOS 4410A/B.
0.5 course from: MOS 2242A/B; Psychology 2850A/B, Sociology 2205A/B.
2.5 courses: MOS 3321F/G, MOS 3322F/G, MOS 3470F/G, MOS 4411A/B, MOS 4415A/B.
3.5 courses from: Any MOS course level 2000 or higher with appropriate prerequisite, Leadership Studies 2233A/B, Leadership Studies 3333A/B, Philosophy 2074F/G; Political Science 2236E, Political Science 2246E, Psychology 2720A/B, Psychology 3170F/G, Psychology 3721F/G; Sociology 2172A/B, Sociology 3314F/G, the former Dimensions of Leadership 2233A/B, the former Dimensions of Leadership 3333A/B, the former Psychology 3170F/G.

Huron University College

GOVERNANCE, LEADERSHIP AND ETHICS

Effective September 1, 2021, the following change(s) be made: Removal of the Language Requirement.

MAJOR IN GOVERNANCE, LEADERSHIP AND ETHICS

Module
6.0 courses:

1.5 courses: GLE 2001F/G; Philosophy 2700F/G (cross-listed as GLE 2002F/G); GLE 2003F/G.
1.0 course from the Governance Group: Political Science 2231E, Political Science 2246E, Political Science 2257, Political Science 2284F/G, Political Science 3345E, Political Science 3351E, Political Science 3355E, Political Science 3368E, Political Science 3379E; MOS 3353F/G, MOS 4410A/B; Philosophy 2253A/B, Philosophy 2263F/G, Philosophy 3880F/G; History 2204F/G, History 2302F/G, History 2710F/G, History 2602F/G, History 2604F/G, History 3201E, History 3219E, the former History 3607F/G.
1.0 course from the Leadership Group: Political Science 2270E, Political Science


**0.5 course** from the Governance Group, the Leadership Group, or the Ethics Group.

**1.0 capstone course**: GLE 4001E.

**Language Requirement**

2.0 language courses with progression from one level to the next (e.g. 1030 level to 2000 level or 2000 level to 3000 level) in a language other than English, or 2.0 language courses in two different languages other than English at any level, or by demonstrating working fluency in a language other than English.

**POLITICAL SCIENCE**

**Effective September 1, 2021, the following change(s) be made: Module Revision.**

**HONOURS SPECIALIZATION IN POLITICAL SCIENCE**

**Module**

9.0 courses:

**4.0 courses**: Political Science 2221F/G, Political Science 2223F/G, Political Science 2231E, Political Science 2237E, Political Science 2245E.

**2.0 courses** in Political Science at the 3000 level or above.

**3.0 additional courses** in Political Science at the 2000 level or above.

**Note**: Students registered in an Honours Specialization in Political Science may not register in Political Science courses numbered 2100-2199.

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**King's University College**

**ENGLISH, FRENCH AND WRITING**

**Effective September 1, 2021, the following change(s) be made: Certificate Revision.**

**CERTIFICATE IN THE TEACHING AND PRACTICE OF WRITING**

To qualify for the Certificate in the Teaching and Practice of Writing, students must achieve an overall average of 65% in the following 3.0 courses:

**2.0 courses** from: Writing 2260F/G, Writing 2262F/G, Writing 2301F/G, Writing 2208F/G, Writing 3100F/G, Writing 3700F/G and 0.5 additional course from Writing at the 2000 level or higher.

**1.0 course** from: Any Writing at the 2000 level or higher, Speech 2001, English 3998E, English 3999F/G and any 0.5 English course at the 2200 level or higher.

Students may substitute a maximum of 1.0 approved non-Writing essay course toward this requirement, and should contact the Writing Program Coordinator (Department of English, French and Writing) for further information and specific course approvals.
PSYCHOLOGY

Effective September 1, 2021, the following change(s) be made: Module Revision.

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 1.0 from Psychology 4692E, Psychology 4694E or other 4000-level Community Engaged Learning course approved by the Department. CEL courses may vary each year.
1.5 additional courses in Psychology at the 3000 level or above.