

The following proposals, received on DAP between November 16-30, 2017, have been approved.
For more information on the DAP process, [see the Secretariat's website](#).

FACULTY OF ARTS AND HUMANITIES and HURON UNIVERSITY COLLEGE

PHILOSOPHY

Effective September 1, 2018, the following course be revised.

Philosophy 2250 - Introduction to Logic

Antirequisite(s): Philosophy 2020, Philosophy 2252W/X, **Philosophy 2254A/B**.

FACULTY OF HEALTH SCIENCES

KINESIOLOGY

Effective September 1, 2018, the following courses be withdrawn.

Kinesiology 2903Q/R/S/T - Canoeing
Kinesiology 2904Q/R/S/T - Exercise Skills
Kinesiology 2906Q/R/S/T - Golf
Kinesiology 2908Q/R/S/T - Ice Hockey
Kinesiology 2909Q/R/S/T - Judo Skills
Kinesiology 2911Q/R/S/T - Sailing
Kinesiology 2912Q/R/S/T - Alpine Skiing
Kinesiology 2914Q/R/S/T - Squash Skills
Kinesiology 2916Q/R/S/T - Tennis Skills
Kinesiology 2917Q/R/S/T - Track and Field Skills
Kinesiology 2918Q/R/S/T - Volleyball Skills
Kinesiology 2919Q/R/S/T - Wrestling Skills
Kinesiology 2921Q/R/S/T - Curling
Kinesiology 2925Q/R/S/T - Snowboarding
Kinesiology 2927Q/R/S/T - Nordic Skiing
Kinesiology 2928Q/R/S/T - Mountain Biking

Effective September 1, 2018, the following courses be revised.

Kinesiology 2984A/B - Hockey Fundamentals and Coaching

Antirequisite(s): Kinesiology 3908Q/R/S/T, **the former** Kinesiology 2908Q/R/S/T.

Prerequisite(s): Completion of first year of the Kinesiology program and registration in the School of Kinesiology.

Kinesiology 2986A/B Tennis

Antirequisite(s): Kinesiology 3916Q/R/S/T, **the former** Kinesiology 2916Q/R/S/T.

Prerequisite(s): Completion of the first year Kinesiology program and registration in the School of Kinesiology.

Kinesiology 2987A/B Track and Field

Antirequisite(s): Kinesiology 3917Q/R/S/T, **the former** Kinesiology 2917Q/R/S/T.

Prerequisite(s): Completion of the first year Kinesiology program and registration in the School of Kinesiology.

Kinesiology 2988A/B Volleyball Fundamentals and Coaching

Antirequisite(s): Kinesiology 3918Q/R/S/T, **the former** Kinesiology 2918Q/R/S/T.

Prerequisite(s): Completion of the first year Kinesiology program and registration in the School of Kinesiology.

Kinesiology 2989A/B Martial Arts

Antirequisite(s): **The former** Kinesiology 2909Q/R/S/T, **the former** Kinesiology 2919Q/R/S/T.

Prerequisite(s): Completion of the first year Kinesiology program and registration in the School of Kinesiology.

Kinesiology 3908Q/R/S/T Ice Hockey Coaching*

Prerequisite(s): the former Kinesiology 2208Q/R/S/T or **the former** Kinesiology 2908Q/R/S/T.

Kinesiology 3916Q/R/S/T Tennis Coaching*

Antirequisite(s): The former Kinesiology 3316Q/R/S/T.

Prerequisite(s): The former Kinesiology 2216Q/R/S/T or **the former** Kinesiology 2916Q/R/S/T.

Kinesiology 3918 Q/R/S/T Volleyball Coaching*

Antirequisite(s): The former Kinesiology 3318Q/R/S/T.

Prerequisite(s): The former Kinesiology 2218Q/R/S/T or **the former** Kinesiology 2918Q/R/S/T.

** Note: The School of Kinesiology is aware there are no active prerequisites for this course and plans to withdraw it from its offering in the next few months.*

FACULTY OF HEALTH SCIENCES and THE RICHARD IVEY SCHOOL OF BUSINESS

KINESIOLOGY

Effective **September 1, 2018**, the following program be revised.

COMBINED BA PROGRAM IN HONORS SPECIALIZATION IN KINESIOLOGY - SPORT MANAGEMENT AND IVEY SCHOOL OF BUSINESS (HBA)

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Fifth Year

3.5 Kinesiology courses numbered 2000-4999 (**non-activity based**) which must include Kinesiology 4489A/B, Kinesiology 4498A/B.

2.0 courses in Business Administration chosen from available 4000 level courses.

* Note: students have the potential to increase to a maximum of 6.0 courses per year with additional Business electives. Prior permission is required

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FACULTY OF INFORMATION AND MEDIA STUDIES

MEDIA, INFORMATION AND TECHNOCULTURE

Effective **September 1, 2018**, the following course be introduced.

Media, Information and Technoculture 1070A/B – First Year Foundations in Media Production

Short title: *Media Production Foundations*

This course introduces students to the technical and creative production of mediated communication. They will learn basic production principles and use these to analyze and create audio, visual and digital content related to and derived from mass communication through a variety of in-class exercises and creative projects.

Extra Information: 3 lecture hours, 0.5 course.

FACULTY OF LAW

Effective **September 1, 2018**, the following course title be revised.

Law 5562A/D - Mining Law and Sustainability

Effective **September 1, 2018**, the following program be revised.

COMBINED JD/MSc (GEOLOGY or GEOPHYSICS) PROGRAM

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Years Two and Three

The Program Director appointed by the Department of Earth Sciences will designate the MSc program courses that the students in the combined degree program must successfully complete. Courses will include the Graduate Seminar (GL 9580 or GP 9580), a Combined Field Course in Geology or Geophysics and five additional courses (the same course load as for the Accelerated MSc (Geology or Geophysics) degree) chosen by the student in consultation with the Program Director.

Students will be enrolled during the Fall term of the second year in the MSc (Geology or Geophysics) program. Students will take 4 of the required MSc courses, including GL 9580 or GP 9580. In early September of the second year or late April or May of the second year, students must complete the two-week Combined Field Course.

Beginning in January of the second year, students will return primarily to the JD program. Over the balance of the second year and the third year, students must take:

- (a) the three compulsory upper-year Law courses;
- (b) additional Law courses totaling at least 33 credit hours, which must include a course or courses that satisfy the Faculty of Law writing requirements; and
- (c) the remaining two required courses for the MSc program.

Supplementary fees are payable for the Combined Field Course under the Program and Supplemental Fee Schedule published by the Registrar's office. Bursaries are available that may cover these costs for all students in the combined degree program.

Students who successfully complete all of these requirements can normally expect to graduate with both degrees in the spring convocation.

Summer after Second Year

The Program Directors will attempt to make available to students a summer placement opportunity. This opportunity will involve:

- (a) a 6-8 week summer placement with a law firm that practices mining or natural resources law and a 6-8 week summer placement with a corporation working in the earth sciences,

- (b) a 12-16 week summer placement with a law firm that practices mining or natural resources law,
- (c) a research project for a firm working in the earth sciences, or
- (d) a research project with a faculty member in the Department of Earth Sciences.

~~The summer placement is not mandatory for students.~~

The MSc program in Geology or Geophysics normally requires a four month research project to be completed in the summer after MSc course work is completed. For a student in the combined program, this component of the MSc program will be completed in the summer after Year Two with an experiential learning module consisting of any one of the following:

- (a) a 6-8 week summer placement with a law firm (preferably one that practices mining or natural resources law) and a 6-8 week summer placement with a corporation working in the earth sciences, or
- (b) a 12-16 week summer placement with a law firm (preferably one that that practices mining or natural resources law), or
- (c) a research project for a firm working in the earth sciences, or
- (d) a research project with a faculty member in the Department of Earth Sciences.

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FACULTY OF SOCIAL SCIENCE

ANTHROPOLOGY

Effective **September 1, 2018**, the following courses be withdrawn.

Anthropology 2243F/G – Applied Linguistics
Anthropology 3335F/G – Historical Linguistics
Anthropology 3337F/G – Sociolinguistics

Effective **September 1, 2018**, the following course be introduced.

Anthropology 3243F/G - Applied Linguistics

A survey of practical applications of linguistic theory. Topics may include discussion of the relevance of linguistic research to language teaching and learning, communication disorders, language policy development and language revitalization, translation and intercultural communication, media, law, business, communication technologies, and social justice.

Antirequisite(s): The former Anthropology 2243F/G.

Prerequisite(s): Enrolment in third or fourth year, and Linguistics 2247A/B or Linguistics 2248A/B.
Extra Information: 3 hours, 0.5 course.

Anthropology 3339F/G – Language Variation and Change

This course uses approaches from sociolinguistics and historical linguistics to explore topics related to variation across and within languages and linguistic changes over time. Topics covered may include: sound change, morphological change, syntactic change, linguistic reconstruction, variations according to class, gender, age, ethnicity, communities of practice, and place.

Prerequisite(s): Linguistics 2247A/B or the former Anthropology 2247A/B and registration in third or fourth year of any Linguistics or Anthropology module.

Extra Information: 3 hours, 0.5 course.

Effective **September 1, 2018**, the following courses be revised.

Anthropology 1020E - Many Ways of Being Human

Students explore the human experience, past and present, by learning about differences and similarities in societies and cultures across time and space, including how we live, die, communicate, make sense of our lives, and interact with each other and the world around us.

An introduction to anthropology (the study of human beings, past and present) co-taught by specialists in biological anthropology, archaeology, linguistic anthropology, and sociocultural anthropology. Students will explore anthropological approaches to and findings concerning: human evolution; variation and adaptation; diverse forms of social, political, and economic organization; culture; ritual; language; communication; identity; gender; health; social inequality; and globalization.

Extra Information: 2 lecture hours, 1 tutorial hour, 1.0 course.

Note: Students interested in earning essay course credit are encouraged to take Anthropology 1025F/G and Anthropology 1026F/G instead of Anthropology 1020.

Anthropology 2222F/G - Debates in Sociocultural Anthropology

Prerequisite(s): Anthropology 1020 (formerly Anthropology 1020E), or Anthropology 1025F/G.

Anthropology 2223F/G - Doing Fieldwork in Anthropology

Prerequisite(s): Anthropology 1020 (formerly Anthropology 1020E), or Anthropology 1025F/G.

Anthropology 2226A/B Biological Anthropology

Prerequisite(s): Anthropology 1020 (formerly Anthropology 1020E), or Anthropology 1025F/G and Anthropology 1026F/G.

Anthropology 2229F/G PRINCIPLES OF ARCHAEOLOGY

Prerequisite(s): Anthropology 1020 (formerly Anthropology 1020E), or Anthropology 1025F/G and Anthropology 1026F/G.

Anthropology 2230F/G ARCTIC ARCHAEOLOGY

Prerequisite(s): Anthropology 1020 (formerly Anthropology 1020E), or Anthropology 1026F/G.

Anthropology 2233F/G ARCHAEOLOGY OF ONTARIO AND THE GREAT LAKES

Antirequisite(s): First Nations Studies 2233F/G.

Prerequisite(s): Anthropology 1020 (formerly Anthropology 1020E), or Anthropology 1025F/G and Anthropology 1026F/G, or Anthropology 2100, or First Nations Studies 1020E.

Anthropology 2236A/B HUMAN AGING: BIOANTHROPOLOGICAL PERSPECTIVES

Prerequisite(s): Any one of the following: Anthropology 1020 (formerly Anthropology 1020E), Anthropology 1026F/G, Sociology 1020, Sociology 1021E, Biology 1225, Biology 1290B, the former Biology 1222, the former Biology 1223, the former Biology 026, Health Sciences 1001A/B and Health Sciences 1002A/B; or the former Health Sciences 1000.

Anthropology 2245F/G TOPICS IN LANGUAGE AND CULTURE

Prerequisite(s): Anthropology 1020 (formerly Anthropology 1020E), or Anthropology 1025F/G, or Anthropology 1027A/B, or Linguistics 2288A/B.

Anthropology 2246F/G ANTHROPOLOGY OF READING AND WRITING

Prerequisite(s): One of Anthropology 1020 (formerly Anthropology 1020E), Anthropology 1027A/B, Linguistics 2288A/B or permission from the instructor.

Anthropology 2250F/G VERBAL ART, PERFORMANCE AND SPEECH PLAY

Prerequisite(s): One of Anthropology 1020 (formerly Anthropology 1020E), Anthropology 1027A/B, Linguistics 2288A/B or permission from the instructor.

Anthropology 2251F/G LANGUAGE, GENDER AND SEXUALITY

Antirequisite(s): Anthropology 2151A/B, the former Linguistics 2185A/B, **the former** Linguistics 2286F/G, **the former** Linguistics 2287F/G.

Prerequisite(s): One of **Anthropology 1020 (formerly** Anthropology 1020E), Anthropology 1025F/G, Anthropology 1027A/B or Women's Studies 1020E, Women's Studies 1021F/G.

Anthropology 2252F/G LANGUAGES IN CANADA

Antirequisite(s): Anthropology 2152A/B, the former Linguistics 2185A/B, **the former** Linguistics 2285F/G.

Prerequisite(s): One of **Anthropology 1020 (formerly** Anthropology 1020E), Anthropology 1025F/G, Anthropology 1027A/B or First Nations Studies 1020E.

*Effective **September 1, 2018**, the following modules be revised.*

HONORS SPECIALIZATION IN ANTHROPOLOGY

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 either Anthropology 1025F/G and one of Anthropology 1026F/G or Anthropology 1027A/B; or **Anthropology 1020 (formerly** Anthropology 1020E) plus 2.0 additional courses, with no mark in these principal courses below 60%.

MAJOR IN LINGUISTIC ANTHROPOLOGY

Admission Requirements

Completion of first-year requirements, including Anthropology 1025F/G, Anthropology 1026F/G and Anthropology 1027A/B, or **Anthropology 1020 (formerly** Anthropology 1020E) and Anthropology 1027A/B with a mark of at least 60% in each Anthropology course.

Module

6.0 courses:

2.0 courses from: Anthropology 2222F/G, Anthropology 2245F/G, Linguistics 2247A/B, Linguistics 2248A/B.

0.5 course from: Anthropology 2226A/B, Anthropology 2229F/G.

0.5 course from: Anthropology 2211F/G, Anthropology 2212F/G, Anthropology 2216F/G, Anthropology 2217F/G, Anthropology 2218F/G, Anthropology 2219F/G, the former Anthropology 2214F/G.

0.5 course: Anthropology 3350F.

2.5 courses from: ~~Anthropology 2243F/G~~ Anthropology 2246F/G, Anthropology 2249F/G, Anthropology 2250F/G, Anthropology 2251F/G, Anthropology 2252F/G, Anthropology 3237A/B, **Anthropology 3243F/G, Anthropology 3339F/G, Anthropology 3335F/G, Anthropology 3337F/G,** Anthropology 3343A/B, Anthropology 3351G, Anthropology 4400E, Anthropology 4412F/G, **the former Anthropology 2243F/G, the former Anthropology 3306F/G, the former Anthropology 3335F/G, the former Anthropology 3337F/G.**

MAJOR IN SOCIOCULTURAL ANTHROPOLOGY

Admission Requirements

Completion of first-year requirements, including either Anthropology 1025F/G and Anthropology 1026F/G; or **Anthropology 1020 (formerly** Anthropology 1020E) with a mark of at least 60% in each Anthropology course.

MAJOR IN ARCHAEOLOGY AND BIOLOGICAL ANTHROPOLOGY (formerly BIOARCHAEOLOGICAL ANTHROPOLOGY)

Admission Requirements

Completion of first-year requirements, including either Anthropology 1025F/G and Anthropology 1026F/G or **Anthropology 1020 (formerly Anthropology 1020E)** with a mark of at least 60% in each Anthropology course.

MAJOR IN ANTHROPOLOGY

Admission Requirements

Completion of first-year requirements, including either **Anthropology 1020 (formerly Anthropology 1020E)**, or Anthropology 1025F/G and Anthropology 1026F/G, with a mark of at least 60% in each.

SPECIALIZATION IN ANTHROPOLOGY

Admission Requirements

Completion of first-year requirements, including Anthropology 1025F/G and one of Anthropology 1026F/G or Anthropology 1027A/B; or **Anthropology 1020 (formerly Anthropology 1020E)** with a mark of at least 60% in each Anthropology course.

MINOR IN ANTHROPOLOGY

Admission Requirements

Completion of first-year requirements, including either Anthropology 1025F/G and one of Anthropology 1026F/G or Anthropology 1027A/B; or **Anthropology 1020 (formerly Anthropology 1020E)** with a mark of at least 60% in each Anthropology course.

MINOR IN REFUGEE AND MIGRANT STUDIES

Admission Requirements

Completion of first-year requirements, including any of **Anthropology 1020 (formerly Anthropology 1020E)**, Anthropology 1025F/G, Geography 1100, Geography 1400F/G, Geography 1500F/G, Centre for Global Studies 1000E, Political Science 1020E, or Sociology 1020, Sociology 1021E, Sociology 1025A/B, Sociology 1026F/G, Sociology 1027A/B.

*Effective **September 1, 2018**, the Anthropology **COURSES BY SUBFIELD** be revised.*

Sociocultural Anthropology:

Anthropology 1020 (formerly Anthropology 1020E), Anthropology 1025F/G, Anthropology 2112, Anthropology 2201F/G, Anthropology 2203F/G, Anthropology 2211F/G, Anthropology 2212F/G, Anthropology 2216F/G, Anthropology 2217F/G, Anthropology 2218F/G, Anthropology 2219F/G, Anthropology 2220E, Anthropology 2222F/G, Anthropology 2223F/G, Anthropology 2224F/G, Anthropology 2255E, Anthropology 2260F/G, Anthropology 2262F/G, Anthropology 2269F/G, Anthropology 2272F/G, Anthropology 2280F/G, Anthropology 2281F/G, Anthropology 2282F/G, Anthropology 2283F/G, Anthropology 2284F/G, Anthropology 2285F/G, Anthropology 2289F/G, Anthropology 2290F/G, Anthropology 3305F/G, Anthropology 3321, Anthropology 3322, Anthropology 3323A/B, Anthropology 3331F/G, Anthropology 3332F/G, Anthropology 3333F/G, Anthropology 3350F, Anthropology 3351G, Anthropology 3369F/G, Anthropology 3389F/G, Anthropology 4400E, Anthropology 4470A/B, the former Anthropology 3266F/G, the former Anthropology 3301E.

Archaeology and Biological Anthropology:

Anthropology 1020 (formerly Anthropology 1020E), Anthropology 1026F/G, Anthropology 2100, Anthropology 2226A/B, Anthropology 2229F/G, Anthropology 2230F/G, Anthropology 2233F/G,

Anthropology 2234F/G, Anthropology 2235A/B, Anthropology 2236A/B, Anthropology 2238A/B, Anthropology 2239A/B, Anthropology 2261F/G, Anthropology 2263A/B, Anthropology 2264F/G, Anthropology 2265F/G, Anthropology 2269F/G, Anthropology 3307A, Anthropology 3308F/G, Anthropology 3309F/G, Anthropology 3310A/B, Anthropology 3311F/G, Anthropology 3312F/G, Anthropology 3313A/B, Anthropology 3320, Anthropology 3322, Anthropology 3324A/B, Anthropology 3334F/G, Anthropology 3336F/G, Anthropology 3338F/G, Anthropology 3340A/B, Anthropology 3341F/G, Anthropology 3369F/G, Anthropology 4420A/B, Anthropology 4429F/G, Anthropology 4470A/B, the former Anthropology 2231F/G, the former Anthropology 3303.

Linguistic Anthropology:

Anthropology 1020 (formerly Anthropology 1020E), Anthropology 1027A/B, Anthropology 2151A/B, Anthropology 2152A/B, Anthropology 2243F/G, Anthropology 2245F/G, Anthropology 2246F/G, Anthropology 2249F/G, Anthropology 2250F/G, Anthropology 2251F/G, Anthropology 2252F/G, Anthropology 3237A/B, Anthropology 3335F/G, Anthropology 3337F/G, Anthropology 3343A/B, Anthropology 4412F/G, the former Anthropology 2247A/B, the former Anthropology 2248A/B.

FIRST NATIONS STUDIES

Effective **September 1, 2018**, the following courses be revised.

First Nations Studies 2111E - Perspectives on Native-Newcomer Relations, c. 1500 to Present

Antirequisite(s): History 2209E, First Nations Studies 2901E.

Prerequisite(s): One of: First Nations Studies 1020E, Anthropology 1020 (formerly Anthropology 1020E), Anthropology 1025F/G, the former Anthropology 020E, History 1401E, History 1201E, the former History 1701E.

First Nations Studies 2113 - Algonquian Language and Culture

Prerequisite(s): First Nations Studies 1020E, Anthropology 1020 (formerly Anthropology 1020E) or Anthropology 1025F/G or the former 020E.

First Nations Studies 2233F/G - Archaeology of Ontario and the Great Lakes

Antirequisite(s): Anthropology 2233F/G.

Prerequisite(s): Anthropology 1020 (formerly Anthropology 1020E), Anthropology 1025F/G and Anthropology 1026F/G or Anthropology 2100 or the former Anthropology 020E, or First Nations Studies 1020E.

First Nations Studies 2234F/G - Andean Prehistory

Antirequisite(s): Anthropology 2234F/G.

Prerequisite(s): Anthropology 1020 (formerly Anthropology 1020E), Anthropology 1025F/G and Anthropology 1026F/G or Anthropology 2100 or the former Anthropology 020E, or First Nations Studies 1020E.

First Nations Studies 2901E - The First Nations in Canadian History

Antirequisite(s): History 2209E.

Prerequisite(s): First Nations Studies 1020E or Anthropology 1020 (formerly Anthropology 1020E) Anthropology 1025F/G or the former Anthropology 020E or History 1201E or History 1401E or History 1701E.

POLITICAL SCIENCE

Effective **September 1, 2018**, the following course be revised.

Political Science 3201F/G ISSUES IN INTERNATIONAL LAW

Antirequisite(s): Political Science 3345E, Political Science 3369F/G.

Prerequisite(s): Political Science 2231E or Political Science 2245E or International Relations 2702E, or the former International Relations 2701E.

FACULTY OF SOCIAL SCIENCE and BRESCIA UNIVERSITY COLLEGE

ANTHROPOLOGY

Effective **September 1, 2018**, the following courses be revised.

Anthropology 1025F/G INTRODUCTION TO SOCIOCULTURAL ANTHROPOLOGY

Antirequisite(s): **Anthropology 1020 (formerly Anthropology 1020E)**.

Anthropology 1026F/G INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY AND ARCHAEOLOGY

Antirequisite(s): **Anthropology 1020 (formerly Anthropology 1020E)**.

Anthropology 2234F/G ANDEAN PREHISTORY

Antirequisite(s): First Nations Studies 2234F/G.

Prerequisite(s): **Anthropology 1020 (formerly Anthropology 1020E)**, or Anthropology 1025F/G and Anthropology 1026F/G, or Anthropology 2100, or First Nations Studies 1020E.

DAP UPDATE: MINOR CHANGES

FACULTY OF ARTS AND HUMANITIES

ENGLISH AND WRITING STUDIES

Effective **September 1, 2018**, the admission requirements for the **Specialization in English Language and Literature** be revised to revert to how it was listed prior to the [April 16, 2017 DAP Approvals](#) due to an error in the DAP submission.

SPECIALIZATION IN ENGLISH LANGUAGE AND LITERATURE

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 1.0 course from **English 1020E or English 1022E or English 1024E or English 1035E or English 1036E or both of English 1027F/G and English 1028F/G with a mark of at least 60%**. ~~English 1000 to English 1999 plus 2.0 additional courses with no mark in these principal courses below 60% (Principal courses refers to the next two courses with the highest grades).~~

MODERN LANGUAGES AND LITERATURES

Effective **September 1, 2018**, the following courses be revised.

Comparative Literature and Culture 2137A/B - German Fairy Tales

Extra Information: 3 lecture hours, 0.5 course.

Taught in English

Comparative Literature and Culture 2138A/B - German-Jewish Literature and Culture

Extra Information: 3 lecture hours, 0.5 course.

Taught in English

FACULTY OF SCIENCE and SCHULICH SCHOOL OF MEDICINE & DENTISTRY

Effective **September 1, 2018**, the admission requirements for the **Minor in Chemistry** be revised to bring them in line with policy requirements for Minor modules following changes at the [November 2017 meeting of SCAPA](#).

MINOR IN CHEMISTRY

Admission Requirements

Completion of first year requirements, including the following 2.0 courses with no mark less than 60% in any course:

1.0 course from: Chemistry 1301A/B and Chemistry 1302A/B, or the former Chemistry 1100A/B and the former Chemistry 1200B with no mark less than 60% in any course.

1.0 course from: Calculus 1000A/B or Calculus 1500A/B; and one of Applied Mathematics 1201A/B, Applied Mathematics 1413, Calculus 1301A/B, Calculus 1501A/B, Mathematics 1600A/B, Mathematics 1225A/B or Mathematics 1229A/B.