The following proposals, received on DAP between September 1-15, 2018, have been approved. For more information on the DAP process, see the Secretariat’s website.

FACULTY OF EDUCATION

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

**EDAQ 5900: Mathematics, Grades 7 and 8**
This course is designed to extend teacher skills and knowledge with a focus on practical instruction and assessment strategies that will help support mathematical learning for students in grades 7 and 8. Candidates will have opportunities to design, plan and implement more effective research-based programs, communicate and apply their learning through practical experiences, discussion, networking and sharing the products of their learning.
Prerequisite(s): A Certificate of Qualification and Registration indicating basic qualifications in the Intermediate division.

FACULTY OF ENGINEERING

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

**Engineering Science 1050 INTRODUCTORY ENGINEERING DESIGN AND INNOVATION**
**STUDIO FOUNDATIONS OF ENGINEERING PRACTICE**
**Short title:** FOUNDATIONS OF ENG PRACTICE

BIOMEDICAL ENGINEERING

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

**Biomedical Engineering 3201A/B - Fundamentals of Biomedical Engineering Design**
**Short title:** Fundamentals of BME Design
The objective of this course is to develop design skills and tools used in Biomedical Engineering. Integration of the engineering and life sciences will be illustrated by presenting design principles for medical devices and systems. Emphasis will be placed on engineering design for the cardiovascular and musculoskeletal systems.
Antirequisite(s): MME 4470A/B.
Prerequisite(s): Completion of the first-year curriculum in the Faculty of Engineering with a year-weighted average of at least 80%.
Extra Information: 3 lecture hours, 2 tutorial hours, 0.5 course.
Restricted to students registered in a Biomedical Engineering degree program.

**Biomedical Engineering 3301A/B - Neural Systems Engineering**
Engineering principles relevant to the study of neurophysiology, neural modeling, and the design of neural systems for diagnostic, interventional, and rehabilitation applications. Course topics will include EEG and EMG systems, functional MRI and other neural imaging technologies, brain-computer interfaces, and neural prosthetics.
Prerequisite(s): BME 3201A/B.
Corequisite(s): ECE 4455A/B, Physiology 2130.
Extra Information: 3 lecture hours, 1 laboratory hour, 0.5 course.
Biomedical Engineering 3303A/B - Cellular Systems Engineering
This course introduces key topics in interdisciplinary biomedical engineering involving the investigation or application of cell-based systems. Students will learn to integrate engineering design principles and mathematical models with knowledge of applied cellular and molecular biology to characterize, understand and optimize cellular responses within 3-D engineered microenvironments.
Prerequisite(s): BME 3201A/B, Biology 1202B, Biochemistry 2280A.
Extra Information: 3 lecture hours, 1 laboratory hour, 0.5 course.

Biomedical Engineering 4400 - Biomedical Engineering Research Project
Short title: BME Research Project
A major independent research project in biomedical engineering performed in collaboration with a faculty supervisor. Lectures and online modules on laboratory safety, human and animal research ethics, scientific integrity, experimental design, medical statistics, literature searching tools, and scientific communication. Two oral presentations and a written report are required.
Antirequisite(s): CBE 4415, CBE 4425, MME 4410.
Prerequisite(s): Registration in the final year of a Biomedical Engineering program.
Extra Information: 2 lecture hours, 10 laboratory hours.
Course Weight: 1.50.

FACULTY OF INFORMATION AND MEDIA STUDIES
DIGITAL COMMUNICATION

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

Digital Communication 2201F/G THE NEXT GENERATION WEB

Effective September 1, 2018, the following courses be revised to reflect the course withdrawals above.

Digital Communication 3203F/G SEARCH AND DISCOVERY
Antirequisite(s): MIT 3114F/G.
<never offered>

Digital Communication 3204F/G SEARCH ENGINES & WEB DATA MINING
Antirequisite(s): MIT 3115F/G.
<1129>

Digital Communication 3210F/G VIRTUAL WORLDS: THEORY, PRACTICE AND COMMUNICATIONS
Antirequisite(s): MIT 3653G if taken in 2011-2012, MIT 3720F/G.
<1129>

Effective September 1, 2018, the following modules be revised to reflect the withdrawal of Digital Communication 2201F/G.

CERTIFICATE IN DIGITAL COMMUNICATION: SOCIAL MEDIA & VIRTUAL WORLDS

Program Requirements
To complete the Certificate in Digital Communication, students must achieve an overall average of 70% in 3.5 courses:

0.5 course: Digital Communication 2001A/B
0.5 course: Digital Communication 2002A/B

DIPLOMA IN DIGITAL COMMUNICATION: SOCIAL MEDIA & VIRTUAL WORLDS

Program Requirements
To complete the Diploma in Digital Communication, students must achieve an overall average of 70% in 5.0 courses:

0.5 course: Digital Communication 2001A/B
0.5 course: Digital Communication 2002A/B

MEDIA, INFORMATION AND TECHNOCULTURE

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

Media, Information and Technoculture 3114F/G SEARCH AND DISCOVERY
Media, Information and Technoculture 3115F/G SEARCH ENGINES AND DATA MINING
Media, Information and Technoculture 3720F/G VIRTUAL WORLDS: THEORY AND PRACTICE
Media, Information and Technoculture 3834F/G OBJECTIVITY IN MEDIA REPORTING
Media, Information and Technoculture 3842F/G TELEVISION AND SOCIAL MOVEMENTS IN THE 1960S

FACULTY OF SOCIAL SCIENCE

FIRST NATIONS STUDIES

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

First Nations Studies 2103F/G LUNAAPE LANGUAGE, CULTURE AND HISTORY
Antirequisite(s): The former First Nations Studies 2253F/G taken Fall 2014 or Fall 2016.
Prerequisite(s): Any Arts and Humanities or Social Science 0.5 or 1.0 Essay course.

First Nations Studies 2113 ALGONQUIAN LANGUAGE AND CULTURE
Prerequisite(s): First Nations Studies 1020E, Anthropology 1020 (formerly Anthropology 1020E) or Anthropology 1025F/G Any course in Arts and Humanities or Social Science.

First Nations Studies 2601F/G INDIGENOUS ENVIRONMENTS
Antirequisite(s): Geography 2411F/G.
Prerequisite(s): 1.0 course from Environmental Science 1021F/G, First Nations Studies 1020E, Geography 1100, Geography 1300A/B, Geography 1400F/G, Geography 1500F/G, Geography 2131A/B, Geography 2153A/B (taken after September 2012), or First Nations Studies 1020E;
Women's Studies 1020E, Health Sciences 1001A/B, and Health Sciences 1002A/B, or the former Health Sciences 1000; Sociology 1020, Sociology 1021E, Sociology 1025A/B, Sociology 1026F/G, Sociology 1027A/B or enrolment in the Major in Ecosystem Health or in any of the Globalization Studies modules, or permission from the Instructor

First Nations Studies 2901E THE FIRST NATIONS IN CANADIAN HISTORY
Antirequisite(s): History 2209E.
Prerequisite(s): First Nations Studies 1020E or One of Anthropology 1020 (formerly Anthropology 1020E) Anthropology 1025F/G, First Nations Studies 1020E or History 1201E or History 1401E.

First Nations Studies 2919F/G THE IROQUIOIS: THEIR HISTORY AND CULTURE
Prerequisite(s): Registration in second year or higher of any program.

First Nations Studies 3001F/G SPECIAL TOPICS IN FIRST NATIONS STUDIES
Prerequisite(s): Third of fourth year registration in any program Registration in any third or fourth year program with approval of the Director.

First Nations Studies 3002E SPECIAL TOPICS IN FIRST NATIONS STUDIES
Prerequisite(s): Registration in any third or fourth year in any program with approval of the Director.

First Nations Studies 3011F/G SUPERVISED READINGS IN INDIGENOUS STUDIES
Prerequisite(s): Third of fourth year registration in any program Registration in any third or fourth year program with approval of the Director and a minimum 80% average.

First Nations Studies 3140F/G INDIGENOUS KNOWLEDGE AND TRADITIONS
Prerequisite(s): First Nations Studies 2901E, History 2209E, the former Anthropology 2217F/G or the former First Nations Studies 2217F/G Any course in Arts and Humanities or Social Science and registration in third year or higher.

First Nations Studies 3500F/G INDIGENOUS MUSIC
Antirequisite(s): FNS First Nations Studies 3001F/G taken Fall 2013, or Fall 2014 or Winter 2016.

First Nations Studies 3722F/G FIRST NATIONS POLITICAL AND LEGAL ISSUES
Antirequisite(s): Political Science 3398F/G.
Prerequisite(s): First Nations Studies 2218F/G or First Nations Studies 2901E or History 2209E or History 2201E or History 2205E or Political Science 2103A/B or Political Science 2230E, or Law 2101, or Women's Studies 2260 or the former Anthropology 2218F/G, 1.0 course from First Nations Studies 2213F/G, First Nations Studies 2218F/G, History 2201E, History 2205E, Law 2101, Political Science 2103A/B, Political Science 2230E, Women's Studies 2260, the former Anthropology 2218F/G.

First Nations Studies 3880F/G FIRST NATIONS LITERATURES
Antirequisite(s): English 3680F/G, the former English 3880F/G.
Prerequisite(s): 1000-level English or First Nations Studies 1020E.

First Nations Studies 4001F/G ADVANCED SPECIAL TOPICS IN FIRST NATIONS STUDIES
Prerequisite(s): Registration in any fourth year in any program with approval of the Director.

First Nations Studies 4011F/G SUPERVISED READING
Prerequisite(s): Fourth year Registration in fourth year First Nations Studies with the approval of the Director and a minimum 80% average.
First Nations Studies 4022E FIELD SCHOOL IN FIRST NATIONS STUDIES
Prerequisite(s): Registration in fourth year, a 70% average in First Nations Studies, 1.5 courses from First Nations Studies 3140F/G, the former First Nations Studies 3141F/G, First Nations Studies 3306F/G, First Nations Studies 3722F/G, First Nations Studies 3911F/G, First Nations Studies 3921F/G, First Nations Studies 3971F/G, or permission of the instructor. Registration in third or fourth year First Nations Studies with a minimum 70% average.

First Nations Studies 4023F/G COMMUNITY-BASED RESEARCH IN FIRST NATIONS STUDIES
Antirequisite(s): Geography 3000Y, Geography 3001F/G.
Prerequisite(s): Permission of the Department and in third or fourth year of a First Nations Studies Module. Registration in third or fourth year First Nations Studies with a minimum 70% average.

First Nations Studies 4903F/G INDIGENOUS RESEARCH AND METHODOLOGIES
Prerequisite(s): History 2209E or First Nations Studies 2901E; and one ENS 2000-level course or above. Registration in any third or fourth year program.

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

Geography 3464F/G FINANCIAL FEASIBILITY OF URBAN DEVELOPMENTS
Antirequisite(s): Business Administration 4613A/B.
Prerequisite(s): Geography 2460F/G. Business Administration 2257 is strongly recommended.

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

HONORS SPECIALIZATION IN URBAN DEVELOPMENT/HBA

Years 4 and 5 (HBA and Geography)
HBA: Requirements can be taken over Year 4 or 5 (except that Business Administration 4569 must be taken in Year 4)

5.0 courses:
0.5 course: (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.
0.5 course: Managerial Accounting Requirement: Business Administration 4624A/B.
1.0 course: (Applied Project Requirement) Business Administration 4569.
2.5 additional business elective courses. (These must be taken at the Business School and cannot be substituted with other Western courses.)

* Recommended electives include but are not limited to: Business Administration 4450A/B, Business Administration 4439A/B, Business Administration 4443A/B, Business Administration 4486A/B, Business Administration 4554A/B, Business Administration 4565A/B, Business Administration 4567A/B, the former Business Administration 4455Q/R/S/T.

Geography: Requirements can normally be taken over Year 4 or 5 (as long as prerequisites are met)

6.0 courses:
3.5 courses: Geography 3210A/B, Geography 3461F/G, Geography 3462F/G, Geography 3464F/G**, Geography 3465F/G, Geography 4000A/B, Geography 4460F/G.
1.5 courses from: Geography 3000Y or Geography 3001F/G, Geography 3121A/B, Geography 3221A/B, Geography 3222A/B, Geography 3223A/B, Geography 3250A/B, Geography 3416F/G, Geography 3421A/B, Geography 3443F/G, Geography 3463F/G, Geography 4900E.


* If any of these courses have been taken in earlier sections, they do not count twice toward completion of the module.

** Business Administration 4450A/B is an antirequisite.

*** Business Administration 4613A/B is an antirequisite

**HISTORY**

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

**History 2147A/B NAZI GERMANY**

Antirequisite(s): History 1404E; The former History 1403E.

**PSYCHOLOGY**

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

**Psychology 3185F/G RESEARCH IN COGNITIVE PSYCHOLOGY**

Prerequisite(s): Psychology 2800E, Psychology 2810 and one of Psychology 2115A/B, Psychology 2134A/B, or Psychology 2135A/B, Psychology 2220A/B, Psychology 2221A/B, or Neuroscience 2000 plus registration in third or fourth year Honors Specialization in Psychology, or Honors Specialization in Developmental Cognitive Neuroscience or Honors Specialization in Neuroscience. Third or fourth year Psychology Majors and Psychology Special Students who receive 70% or higher in Psychology 2820E (or 60% or higher in Psychology 2800E and Psychology 2810), plus 60% or higher in one of Psychology 2115A/B, Psychology 2134A/B or Psychology 2135A/B Psychology 2220A/B, Psychology 2221A/B, or Neuroscience 2000 also may enroll in this course.

**Psychology 4222F/G BEHAVIOURAL PHARMACOLOGY**

Prerequisite(s): One of Psychology 2220A/B, Psychology 2210A/B Psychology 2221A/B or Neuroscience 2000, plus registration in third or fourth year Honors Specialization in Psychology, Honors Specialization in Developmental Cognitive Neuroscience, Honors Specialization in Neuroscience, or Honors Specialization in Animal Behavior. Other Psychology students and Psychology Special Students who receive 70% in the prerequisite course(s) may enroll in this course.

**HURON UNIVERSITY COLLEGE**

**CENTRE FOR GLOBAL STUDIES**
Effective September 1, 2018, the following modules be revised to reflect the withdrawal of MIT 3720F/G.

HONORS SPECIALIZATION IN GLOBAL CULTURE STUDIES

Module
9.0 courses:

1.5 courses: CGS 2003F/G, CGS 3005F/G, CGS 3515F/G.
0.5 course from: CGS 2002F/G, CGS 2004F/G.
0.5 course from: CGS 3001F/G, CGS 3006F/G.
1.5 courses from: CGS 3512F/G, CGS 3521F/G, CGS 3522F/G, CGS 3523F/G, CGS 3524F/G.
2.0 courses from: CGS 3000-4999 level.
1.0 course from: CGS 4000-4999 level.

HONORS SPECIALIZATION IN GLOBAL CULTURE STUDIES/HBA

... Years 4 and 5

0.5 course from: CGS 3515F/G.
0.5 course from: CGS 3512F/G, CGS 3521F/G, CGS 3522F/G, CGS 3523F/G, CGS 3524F/G.
1.0 course from: CGS 3000-4999 level.
1.0 course from: CGS 4000-4999 level
Visual Arts History 3385E, the former Visual Arts History 3386F/G, or other courses approved by the Centre for Global Studies.

For students who entered the HBA Program in September 2016 and prior, please refer to the 2016-2017 Academic Calendar.

... MAJOR IN GLOBAL CULTURE STUDIES

Module
6.0 courses:

1.5 courses: CGS 2003F/G, CGS 3005F/G, CGS 3515F/G.
0.5 course from: CGS 2002F/G, CGS 2004F/G.
0.5 course from: CGS 3001F/G, CGS 3006F/G.
1.5 courses from: CGS 3512F/G, CGS 3521F/G, CGS 3522F/G, CGS 3523F/G, CGS 3524F/G.
1.0 courses from: CGS 3000-4999 level.

1.0 courses from: Anthropology 2201F/G, Anthropology 2255E, Anthropology 2284F/G,
Anthropology 3305F/G, Chinese 2243F/G, Chinese 3652F/G, Disability Studies 2216A/B, English
2361E, English 2362F/G, English 3884E, Foods and Nutrition 3400A/B, Foods and Nutrition
3450F/G, French 3140B, French 3750F/G-3751F/G, French 3752F/G, Geography 2410A/B,
Geography 3411A/B, Geography 3412F/G, Geography 3415A/B, History 2701E, History 2702E,
MIT 3720F/G, MIT 3935F/G, Philosophy 2556F/G, Philosophy 2630F/G, Philosophy 2810F/G,
 Philosophy 2812F/G, Philosophy 3880F/G, Political Science 3304F/G, Political Science 3306F/G,
Psychology 3710F/G, Psychology 3725F/G, Sociology 2208F/G, Sociology 2270A/B, Sociology
2271A/B, Women’s Studies 2205F/G, Women’s Studies 2240F/G, Women’s Studies 2263F/G,
Women’s Studies 3350F/G, Writing 2219F/G, the former Anthropology 3266F/G, the former
Disability Studies 3310F/G, the former English 2260F/G, the former English 2310E, the former
English 3880F/G, the former English 3882F/G, the former Film Studies 2251E, the former MIT
3720F/G, the former Political Science 3389E, the former Visual Arts History 2285, the former
Visual Arts History 3385E, the former Visual Arts History 3386F/G, or other courses approved by
the Centre for Global Studies.

SPECIALIZATION IN GLOBAL CULTURE STUDIES

Module
9.0 courses:

1.5 courses: CGS 2003F/G, CGS 3005F/G, CGS 3515F/G.
0.5 course from: CGS 2002F/G, CGS 2004F/G.
0.5 course from: CGS 3001F/G, CGS 3006F/G.
1.5 course from: CGS 3512F/G, CGS 3521F/G, CGS 3522F/G, CGS 3523F/G, CGS 3524F/G.
3.0 courses from: CGS 3000-3999 level.

2.0 courses from: Anthropology 2201F/G, Anthropology 2255E, Anthropology 2284F/G,
Anthropology 3305F/G, Chinese 2243F/G, Chinese 3652F/G, Disability Studies 2216A/B, English
2361E, English 2362F/G, English 3884E, Foods and Nutrition 3400A/B, Foods and Nutrition
3450F/G, French 3140B, French 3750F/G-3751F/G, French 3752F/G, Geography 2410A/B,
Geography 3411A/B, Geography 3412F/G, Geography 3415A/B, History 2701E, History 2702E,
MIT 3720F/G, MIT 3935F/G, Philosophy 2556F/G, Philosophy 2630F/G, Philosophy 2810F/G,
 Philosophy 2812F/G, Philosophy 3880F/G, Political Science 3304F/G, Political Science 3306F/G,
Psychology 3710F/G, Psychology 3725F/G, Sociology 2208F/G, Sociology 2270A/B, Sociology
2271A/B, Women’s Studies 2205F/G, Women’s Studies 2240F/G, Women’s Studies 2263F/G,
Women's Studies 3350F/G, Writing 2219F/G, the former Anthropology 3266F/G, the former Disability Studies 3310F/G, the former English 2260F/G, the former English 2310E, the former English 3880F/G, the former English 3882F/G, the former Film Studies 2251E, the former MIT 3720F/G, the former Political Science 3389E, the former Visual Arts History 2285, the former Visual Arts History 3385E, the former Visual Arts History 3386F/G, or other courses approved by the Centre for Global Studies.

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**DAP UPDATE: MINOR CHANGES**

**FACULTY OF SCIENCE and SCHULICH SCHOOL OF MEDICINE & DENTISTRY**

**STATISTICAL AND ACTUARIAL SCIENCES**

Effective **September 1, 2018**, the following module be revised following its introduction at the September 21, 2018 meeting of Senate.

**MINOR IN APPLIED FINANCIAL MODELLING**

**Module**

4.0 courses:

- **2.0 courses**: Calculus 2402A/B, Financial Modelling 2557A/B, Statistical Sciences 2503A/B, Statistical Sciences SS2857A/B.
- **0.5 course** from: Actuarial Science 2553A/B, Actuarial Science 2053.
- **0.5 course** from: Statistical Sciences 2858A/B, Statistical Sciences 2143A/B.
- **0.5 course** from: Financial Modelling 3817A/B, Applied Mathematics 3815A/B.
- **0.5 course** from: Financial Modelling 3613A/B, Financial Modelling 3520A/B.

*1.0 course when Actuarial Science 2053 is completed, in which case the module will consist of 4.5 courses.

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**KING’S UNIVERSITY COLLEGE**

**ECONOMICS**

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

**Economics 3344A/B LABOR ECONOMICS I**

Antirequisite(s) at Main campus: Economics 2155A/B, Economics 2156A/B. Antirequisite(s) at King’s campus: Economics 2155A/B, Economics 2156A/B, and Economics 3391A/B taught at King’s in 2006-2007 and 2007-2008.

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**REGISTRAR’S UPDATE:**

Effective **September 1, 2018**, the **BUSINESS ADMINISTRATION – ADMISSION** policy was revised to remove Mathematics 0110A/B from the Preliminary Education and Admission sections to bring them in line with the policy change to the Advanced Entry Opportunity (AEO) section that was approved in November 2017 at Senate.
BUSINESS ADMINISTRATION – ADMISSION

Preliminary Education
Applicants to the Honors Business Administration Program must have successfully completed no fewer than ten full courses of university study (5.0 courses each year) beyond the university’s requirements for admission from the OSSD (Ontario Secondary School Diploma). All students seeking admission to third year of the Honors Business Administration Program must include the following courses in their program of study:

- Business Administration 2257 or equivalent
- At least one Grade 12U level Mathematics course, or Grade 12 Mathematics course for university-bound students, or Mathematics 0110A/B, or Mathematics 1229A/B.

Although not required, many students take Business Administration 1220 to find out about the approach used in the study of management in the Business School.

In selecting optional courses, students are urged to keep in mind the objective of becoming a well-educated and well-rounded person. The School is not looking for individuals with a background in business related subjects, but rather for individuals with demonstrated competence in any academic program or module.

Courses Unless otherwise noted “course”, “option”, or “full-course equivalent” means one full course or two half-courses.

Admission

Admission Criteria
The students are carefully-selected, well-rounded achievers who have the intellectual ability, ambition and stamina to meet the high academic standards and the demanding work-load of the program. Each student has a record of distinctive personal achievement and potential for leadership, as well as strong academics. Admission to the HBA program is competitive and the possession of the minimum requirements does not assure acceptance. An 80%+ average is considered to be competitive.

Admission Requirements
The Ivey Honors Business Administration Program requires the successful completion of no fewer than 10.0 courses of university study with a minimum overall average of 70%. All students seeking admission to the Honors Business Administration Program must achieve a minimum 70% in Business Administration 2257 (or an equivalent) and have completed one Grade 12 Mathematics course for university-bound students, or Mathematics 0110A/B or Mathematics 1229A/B, in their prior program of study. In addition, given the participative nature of the HBA program and its case-based learning methodology, students are strongly encouraged to demonstrate a satisfactory level of class contribution in Business Administration 2257. Students seeking admission into the Honor Business Administration program are expected to have adhered to all student code of conduct regulations at their respective institutions. Violations of such codes will be considered as part of the admissions process.

Candidates from Accredited Degree-Granting Institutions
Candidates with acceptable standing from accredited degree-granting institutions may be considered for admission provided that they have completed the equivalent of 10.0 transferable university credits. All students planning to apply to the Honors Business Administration Program must take the Business Administration 2257 course at Western, or its equivalent from another accredited institution.